

# Converting Colors

$Yxy(93.6892, 0.2976, 0.3261)$

Have a look what the booklet for  
Yxy(93.6892, 0.2976, 0.3261)  
contains.

<b>Yxy(93.6638, 0.2975, 0.3260)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(93.6638, 0.2975, 0.3260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6FCFF
RGB	230, 252, 255
RGB Percent	90%, 99%, 100%
CMY	0.0983, 0.0117, 0.0000
CMYK	0.10, 0.01, 0.00, 0.00
HSL	187°, 100%, 95%
HSV	187°, 10%, 100%
XYZ	85.4754, 93.6638, 108.1731
YIQ	245.7640, -14.0750, -3.7310

# Conversions

## Conversions Part 2

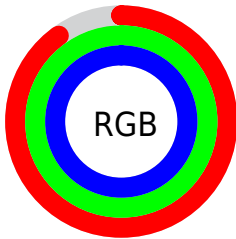
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 242, 255
Decimal	15138047
CIE Lab	97.50, -6.59, -3.88
CIE LCh	97, 7.648, 210.496
Yxy	93.6638, 0.2975, 0.3260
Android (android.graphics.Color)	4293328127 (0xFFE6FCFF)
YUV	245.7640, 4.5533, -13.8250
Hunter-Lab	96.7801, -11.7153, 1.4764

# Details

The Yxy color 93.6638, 0.2975, 0.3260 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.1878, 0.3298, 0.3320, and the grayscale version is 91.9231, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.1061, 0.2943, 0.3251 is the 20% darker color. If you saturate the color by 10%, you get 87.8735, 0.2826, 0.3227, and if you desaturate by 10%, it is 99.9995, 0.3127, 0.3290.

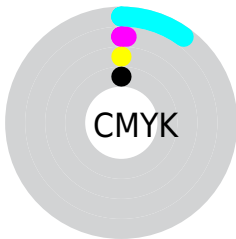
# Distribution



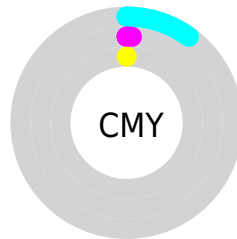
- Red (90%)
- Green (99%)
- Blue (100%)



- Red (90%)
- Yellow (95%)
- Blue (100%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (1%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.6638, 0.2975, 0.3260 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 93.6638, 0.2975, 0.3260 by changing the saturation by 10% instead.




 93.6638, 0.2975,  
0.3260

 93.6638, 0.2975,  
0.3260


539.8784, 0.3042,  
0.3274

 71.0234, 0.2960,  
0.3257

152.4173, 0.2998,  
0.3265

 52.3613, 0.2943,  
0.3253


189.2991, 0.3007,  
0.3267

 37.2931, 0.2921,  
0.3248


231.6969, 0.3014,  
0.3268

 25.4345, 0.2893,  
0.3242


279.9950, 0.3021,  
0.3270

 16.4011, 0.2857,  
0.3234

334.5778, 0.3027,  
0.3271

 9.8084, 0.2808,  
0.3222

395.8297, 0.3033,

 5.2721, 0.2736,

0.3272

0.3205

464.1351, 0.3038,  
0.3273

■ 2.4078, 0.2623,  
0.3175

■ 0.8299, 0.2371,  
0.3133

■ 93.6638, 0.2975,  
0.3260

■ 93.6638, 0.2975,  
0.3260

■ 87.8735, 0.2826,  
0.3227

99.9995, 0.3127,  
0.3290

■ 82.6996, 0.2685,  
0.3191

■ 78.1173, 0.2555,  
0.3153

■ 74.0952, 0.2440,  
0.3113

■ 70.5994, 0.2343,  
0.3072

■ 67.5917, 0.2264,  
0.3030

■ 65.0285, 0.2205,  
0.2988

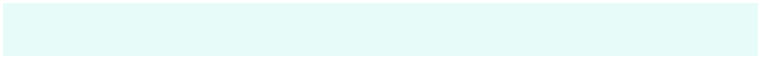
■ 62.8579, 0.2165,  
0.2946

■ 60.9968, 0.2141,  
0.2905

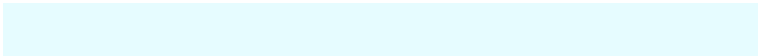
# Harmonies

## Analogous

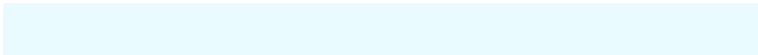
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.6638, 0.3025, 0.3337



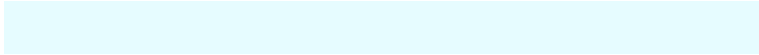
93.6638, 0.2975, 0.3260



93.6638, 0.2965, 0.3192

# Triad

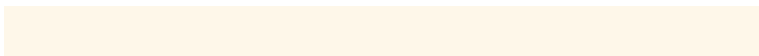
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.6638, 0.2975, 0.3260



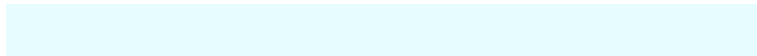
93.6638, 0.3149, 0.3182



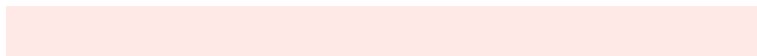
93.6638, 0.3258, 0.3429

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



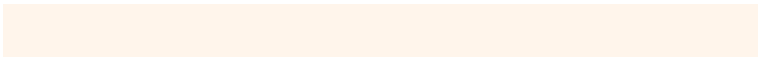
93.6638, 0.2975, 0.3260



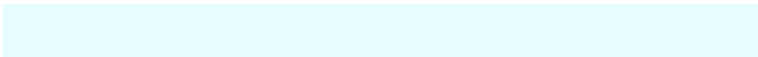
85.1878, 0.3298, 0.3320

# Split Complementary

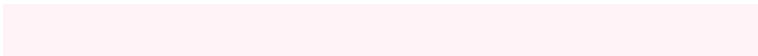
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.6638, 0.3292, 0.3385



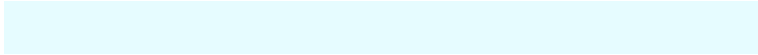
93.6638, 0.2975, 0.3260



93.6638, 0.3229, 0.3243

# Square

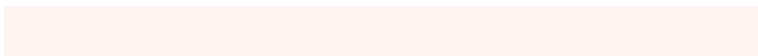
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.6638, 0.2975, 0.3260



93.6638, 0.3065, 0.3149



93.6638, 0.3282, 0.3317

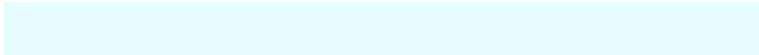


93.6638, 0.3189, 0.3436

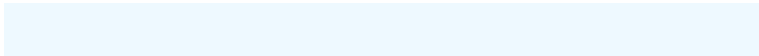


# Rectangle

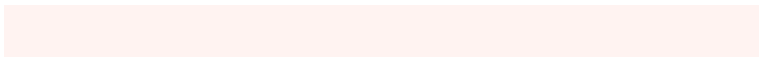
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



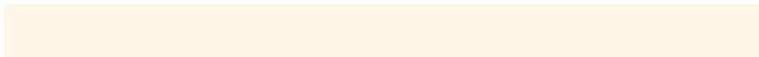
93.6638, 0.2975, 0.3260



93.6638, 0.2982, 0.3162



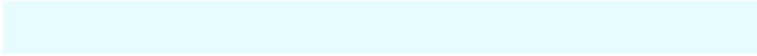
93.6638, 0.3282, 0.3317



93.6638, 0.3274, 0.3418

# Sweetspot

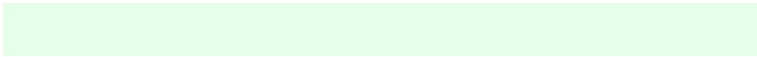
The Sweet Spot groups the original color and five complimentary colors.



93.6677, 0.2975, 0.3260



98.0014, 0.3080, 0.3281



94.2012, 0.3099, 0.3514



20.8642, 0.3068, 0.3279



0.0000, 0.0000, 0.0000

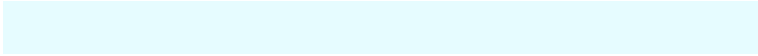


21.4041, 0.3127, 0.3290

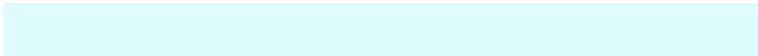


# Same Dimension

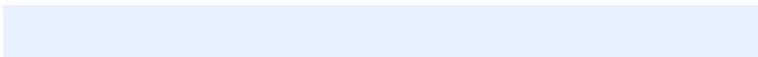
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.6677, 0.2975, 0.3260



92.3619, 0.2942, 0.3253



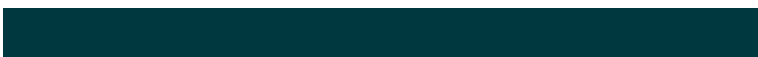
86.0795, 0.2974, 0.3134



20.0926, 0.2980, 0.3261



32.0041, 0.2142, 0.2912



3.2155, 0.2155, 0.2959



# Inverse Universe

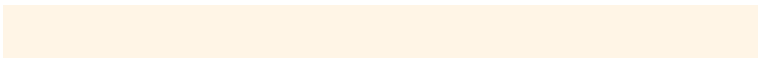
The Inverse Universe completely reimagines the original color for something new.



84.8438, 0.3157, 0.3076



81.7755, 0.3164, 0.3027



92.5059, 0.3284, 0.3441



18.2612, 0.3156, 0.3083



13.9588, 0.3533, 0.1720

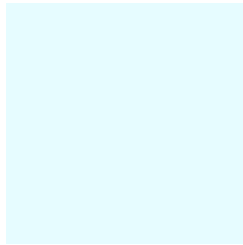


1.3691, 0.3491, 0.1697



# Previews

## White Background



This preview shows how the Yxy color 93.6638, 0.2975, 0.3260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

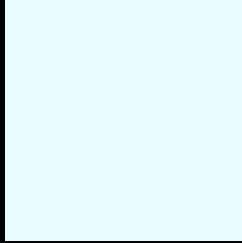
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.6638, 0.2975, 0.3260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

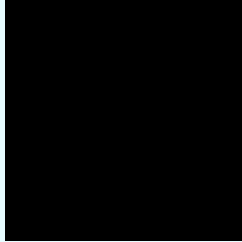
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.6638, 0.2975, 0.3260**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.6638, 0.2975, 0.3260.

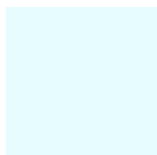


This preview shows how white text looks on a background with the Yxy color 93.6638, 0.2975, 0.3260.

# Color Blindness Simulation

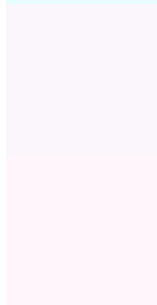
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

93.6638, 0.2975, 0.3260



### Protanopia

93.4490, 0.3123, 0.3232

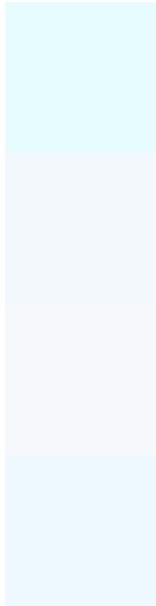
### Deuteranopia

93.5299, 0.3156, 0.3232

## Tritanopia

93.4095, 0.3055, 0.3221

# Trichromacy



## Original Color

93.6638, 0.2975, 0.3260

## Protanomaly

93.2813, 0.3066, 0.3241

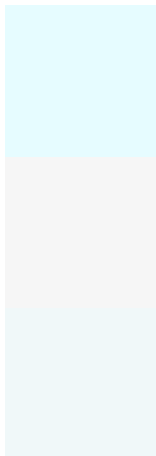
## Deuteranomaly

93.7559, 0.3091, 0.3251

## Tritanomaly

93.1485, 0.3024, 0.3231

# Monochromacy



## Original Color

93.6638, 0.2975, 0.3260

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.4996, 0.3071, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  93.6638, 0.2975, 0.3260 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(230, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 252, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(230, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 252, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 93.6638, 0.2975, 0.3260 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(230, 252, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(230, 252, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(230, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 252,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.6638, 0.2975, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 252, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(230,  
252, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor