

# Converting Colors

$Y_{xy}(100.0000, 0.2589, 0.2548)$

Have a look what the booklet for  
Yxy(100.0000, 0.2589, 0.2548)  
contains.

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# Color

**Yxy(93.9966, 0.2987, 0.3260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FCFF
RGB	232, 252, 255
RGB Percent	91%, 99%, 100%
CMY	0.0904, 0.0117, 0.0000
CMYK	0.09, 0.01, 0.00, 0.00
HSL	188°, 100%, 95%
HSV	188°, 9%, 100%
XYZ	86.1251, 93.9966, 108.2114
YIQ	246.3620, -12.8830, -3.3070

# Conversions

## Conversions Part 2

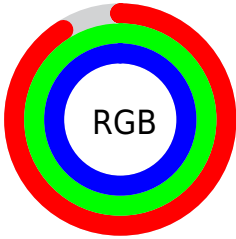
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 243, 255
Decimal	15269119
CIE Lab	97.63, -5.95, -3.67
CIE LCh	98, 6.991, 211.694
Yxy	93.9966, 0.2987, 0.3260
Android (android.graphics.Color)	4293459199 (0xFFE8FCFF)
YUV	246.3620, 4.2585, -12.5955
Hunter-Lab	96.9518, -11.0991, 1.6906

# Details

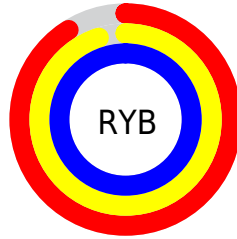
The Yxy color 93.9966, 0.2987, 0.3260 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.4556, 0.3282, 0.3320, and the grayscale version is 92.4354, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.3375, 0.2958, 0.3251 is the 20% darker color. If you saturate the color by 10%, you get 87.9877, 0.2837, 0.3224, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

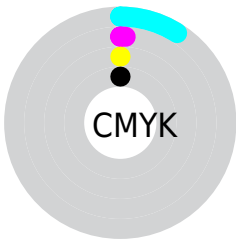
# Distribution



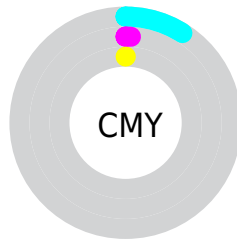
- Red (91%)
- Green (99%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (9%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.9966, 0.2987, 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 93.9966, 0.2987, 0.3260 by changing the saturation by 10% instead.



 93.9966, 0.2987,  
0.3260

 93.9966, 0.2987,  
0.3260

540.9477, 0.3049,  
0.3274

 71.3001, 0.2974,  
0.3257

152.8776, 0.3008,  
0.3265

 52.5872, 0.2957,  
0.3253


189.8310, 0.3016,  
0.3267

 37.4733, 0.2937,  
0.3248


232.3054, 0.3023,  
0.3268

 25.5742, 0.2912,  
0.3242

280.6854, 0.3030,  
0.3270

 16.5053, 0.2878,  
0.3234

335.3551, 0.3035,  
0.3271

 9.8824, 0.2833,  
0.3223

396.6992, 0.3040,

 5.3211, 0.2767,

0.3272

0.3206

465.1019, 0.3045,  
0.3273

■ 2.4369, 0.2663,  
0.3177

■ 0.8448, 0.2440,  
0.3135

■ 93.9966, 0.2987,  
0.3260

■ 93.9966, 0.2987,  
0.3260

■ 87.9877, 0.2837,  
0.3224

100.0000, 0.3127,  
0.3290

■ 82.6032, 0.2694,  
0.3185

■ 77.8182, 0.2563,  
0.3144

■ 73.6019, 0.2446,  
0.3100

■ 69.9201, 0.2345,  
0.3055

■ 66.7352, 0.2263,  
0.3009

■ 64.0041, 0.2201,  
0.2963

■ 61.6756, 0.2158,  
0.2917

■ 59.6740, 0.2132,  
0.2872

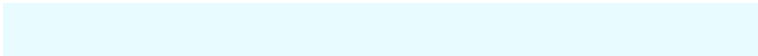
# Harmonies

## Analogous

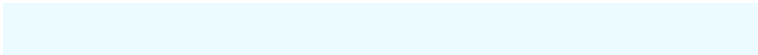
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9966, 0.3032, 0.3330



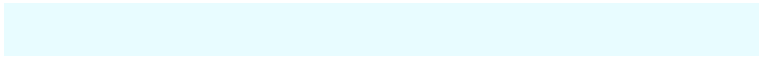
93.9966, 0.2987, 0.3260



93.9966, 0.2979, 0.3199

# Triad

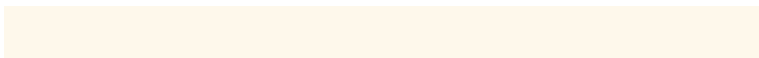
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.9966, 0.2987, 0.3260



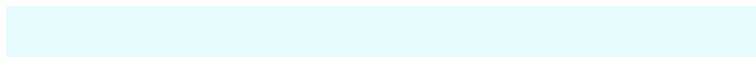
93.9966, 0.3151, 0.3193



93.9966, 0.3245, 0.3418

# Complementary

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



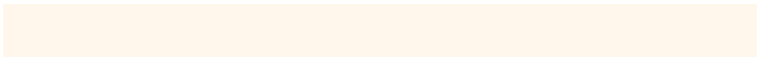
93.9966, 0.2987, 0.3260



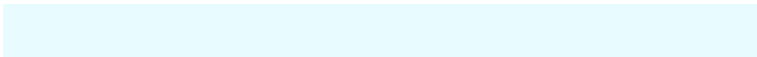
86.4556, 0.3282, 0.3320

# Split Complementary

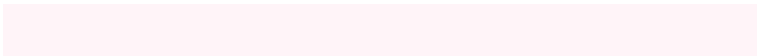
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.9966, 0.3277, 0.3379



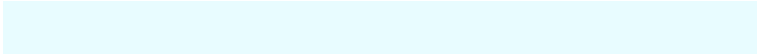
93.9966, 0.2987, 0.3260



93.9966, 0.3223, 0.3250

# Square

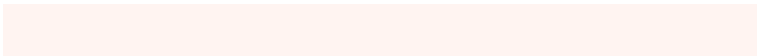
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.9966, 0.2987, 0.3260



93.9966, 0.3073, 0.3161



93.9966, 0.3270, 0.3318

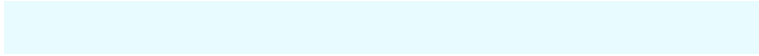


93.9966, 0.3180, 0.3422

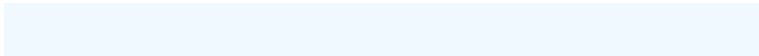


# Rectangle

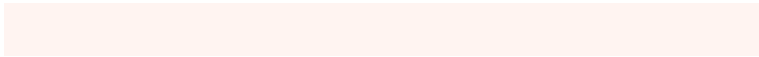
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



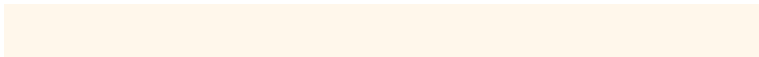
93.9966, 0.2987, 0.3260



93.9966, 0.2996, 0.3172



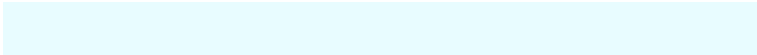
93.9966, 0.3270, 0.3318



93.9966, 0.3260, 0.3408

# Sweetspot

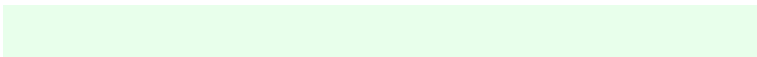
The Sweet Spot groups the original color and five complimentary colors.



94.0005, 0.2987, 0.3260



97.9488, 0.3080, 0.3280



94.6435, 0.3101, 0.3495



20.8499, 0.3068, 0.3278



0.0000, 0.0000, 0.0000

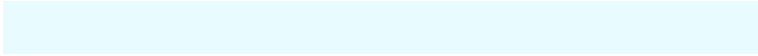


21.4041, 0.3127, 0.3290

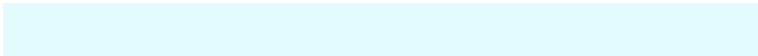


# Same Dimension

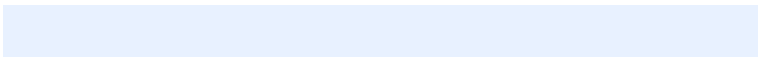
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.0005, 0.2987, 0.3260



92.7721, 0.2957, 0.3253



87.1482, 0.2986, 0.3147



20.0573, 0.2980, 0.3258



31.2415, 0.2132, 0.2875



3.1487, 0.2147, 0.2927



# Inverse Universe

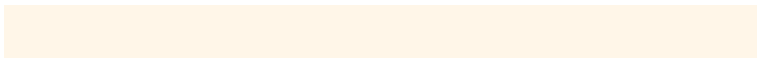
The Inverse Universe completely reimagines the original color for something new.



85.9714, 0.3156, 0.3096



83.1596, 0.3163, 0.3053



93.0931, 0.3271, 0.3429



18.2576, 0.3158, 0.3086



13.8818, 0.3566, 0.1738

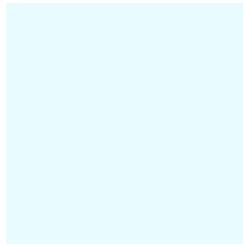


1.3624, 0.3519, 0.1712



# Previews

## White Background



This preview shows how the Yxy color 93.9966, 0.2987, 0.3260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

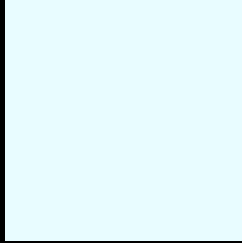
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.9966, 0.2987, 0.3260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

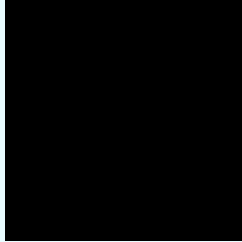
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.9966, 0.2987, 0.3260**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.9966, 0.2987, 0.3260.

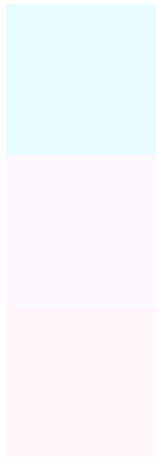


This preview shows how white text looks on a background with the Yxy color 93.9966, 0.2987, 0.3260.

# 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

93.9966, 0.2987, 0.3260

### Protanopia

94.0590, 0.3123, 0.3242

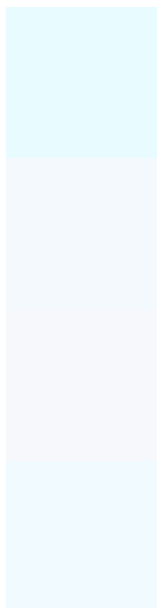
### Deuteranopia

93.5299, 0.3156, 0.3232

## **Tritanopia**

94.2045, 0.3061, 0.3231

# Trichromacy



## Original Color

93.9966, 0.2987, 0.3260

## Protanomaly

94.0763, 0.3072, 0.3251

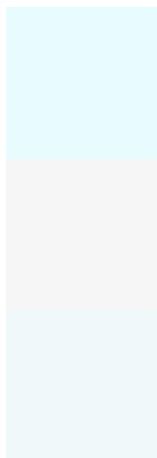
## Deuteranomaly

93.9372, 0.3097, 0.3251

## Tritanomaly

94.1165, 0.3036, 0.3241

# Monochromacy



## Original Color

93.9966, 0.2987, 0.3260

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.6751, 0.3077, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.9966, 0.2987, 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(232, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 252, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 93.9966, 0.2987, 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(232, 252, 255) }
```

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

```
.border{ border-color:rgb(232, 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(232, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 252,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.9966, 0.2987, 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(232, 252, 255) }
```

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

```
.background{ background-color: rgb(232,  
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](#).

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