

# Converting Colors

$Y_{xy}(100.0000, 0.2564, 0.2463)$

Have a look what the booklet for  
Yxy(100.0000, 0.2564, 0.2463)  
contains.

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# Color

**Yxy(92.6335, 0.3005, 0.3230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF9FF
RGB	235, 249, 255
RGB Percent	92%, 98%, 100%
CMY	0.0786, 0.0235, 0.0000
CMYK	0.08, 0.02, 0.00, 0.00
HSL	198°, 100%, 96%
HSV	198°, 8%, 100%
XYZ	86.1807, 92.6335, 107.9768
YIQ	245.4980, -10.2700, -1.1020

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 243, 255
Decimal	15464959
CIE Lab	97.08, -3.47, -4.48
CIE LCh	97, 5.664, 232.279
Yxy	92.6335, 0.3005, 0.3230
Android (android.graphics.Color)	4293655039 (0xFFEBF9FF)
YUV	245.4980, 4.6845, -9.2067
Hunter-Lab	96.2463, -8.5988, 0.8561

# Details

The Yxy color 92.6335, 0.3005, 0.3230 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.1337, 0.3257, 0.3349, and the grayscale version is 91.6958, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.8009, 0.2980, 0.3226 is the 20% darker color. If you saturate the color by 10%, you get 83.9881, 0.2850, 0.3147, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



- Red (92%)
- Green (98%)
- Blue (100%)



- Red (92%)
- Yellow (95%)
- Blue (100%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.6335, 0.3005, 0.3230 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 92.6335, 0.3005, 0.3230 by changing the saturation by 10% instead.



 92.6335, 0.3005,  
0.3230

 92.6335, 0.3005,  
0.3230

536.5608, 0.3059,  
0.3257

 70.1669, 0.2993,  
0.3224


150.9911, 0.3023,  
0.3239

 51.6626, 0.2979,  
0.3217


187.6509, 0.3030,  
0.3243

 36.7362, 0.2961,  
0.3208


229.8106, 0.3037,  
0.3246

 25.0033, 0.2939,  
0.3196

277.8545, 0.3042,  
0.3249

 16.0795, 0.2909,  
0.3181

332.1671, 0.3047,  
0.3251

 9.5805, 0.2869,  
0.3160

393.1328, 0.3052,

 5.1217, 0.2810,

0.3253

0.3129

461.1359, 0.3055,  
0.3255

■ 2.3188, 0.2717,  
0.3078

■ 0.7837, 0.2515,  
0.2986

■ 92.6335, 0.3005,  
0.3230

■ 92.6335, 0.3005,  
0.3230

■ 83.9881, 0.2850,  
0.3147

100.0000, 0.3127,  
0.3290

■ 76.1258, 0.2697,  
0.3057

■ 69.0173, 0.2550,  
0.2958

■ 62.6300, 0.2412,  
0.2854

■ 56.9280, 0.2287,  
0.2744

■ 51.8720, 0.2178,  
0.2631

■ 47.4171, 0.2089,  
0.2516

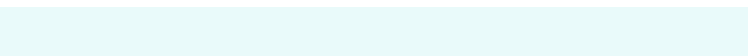
■ 43.5112, 0.2021,  
0.2401

■ 40.0850, 0.1972,  
0.2289

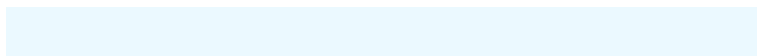
# Harmonies

## Analogous

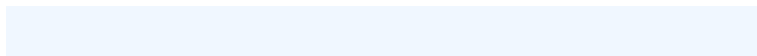
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6335, 0.3021, 0.3284



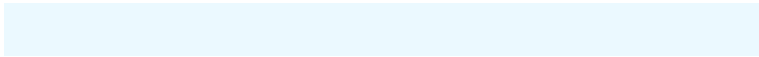
92.6335, 0.3005, 0.3230



92.6335, 0.3021, 0.3193

# Triad

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



92.6335, 0.3005, 0.3230



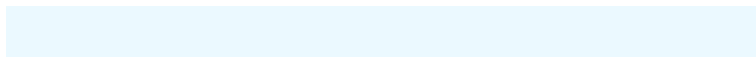
92.6335, 0.3188, 0.3241



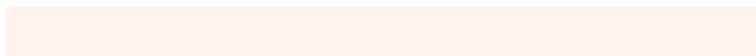
92.6335, 0.3189, 0.3400

# Complementary

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



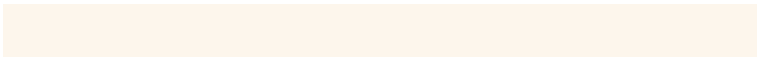
92.6335, 0.3005, 0.3230



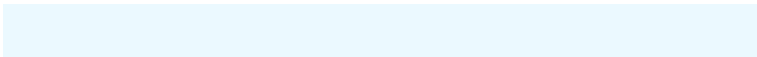
90.1337, 0.3257, 0.3349

# Split Complementary

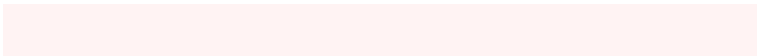
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.6335, 0.3234, 0.3387



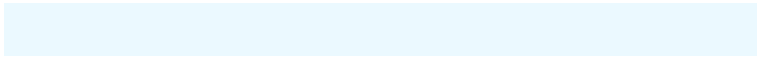
92.6335, 0.3005, 0.3230



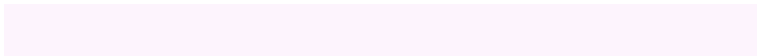
92.6335, 0.3234, 0.3295

# Square

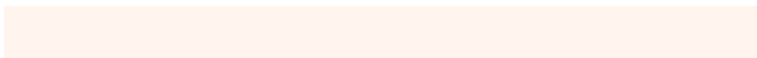
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



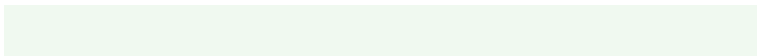
92.6335, 0.3005, 0.3230



92.6335, 0.3126, 0.3200



92.6335, 0.3251, 0.3349

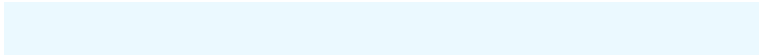


92.6335, 0.3127, 0.3383



# Rectangle

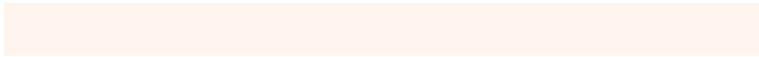
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.6335, 0.3005, 0.3230



92.6335, 0.3048, 0.3183



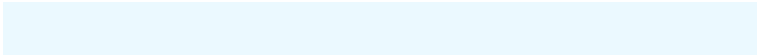
92.6335, 0.3251, 0.3349



92.6335, 0.3207, 0.3399

# Sweetspot

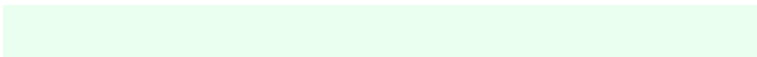
The Sweet Spot groups the original color and five complimentary colors.



92.6349, 0.3005, 0.3230



98.0774, 0.3096, 0.3275



95.5043, 0.3085, 0.3433



21.0128, 0.3098, 0.3276



0.0000, 0.0000, 0.0000

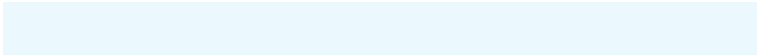


21.4041, 0.3127, 0.3290

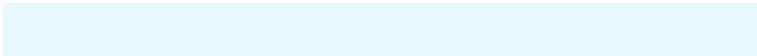


# Same Dimension

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



92.6349, 0.3005, 0.3230



91.6081, 0.2987, 0.3221



86.7844, 0.3005, 0.3133



19.5114, 0.2980, 0.3217



20.8572, 0.1968, 0.2283



2.2219, 0.2003, 0.2412



# Inverse Universe

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



87.4933, 0.3174, 0.3154



85.7877, 0.3181, 0.3134



96.0364, 0.3248, 0.3442



18.2025, 0.3184, 0.3125



12.8335, 0.4144, 0.2056

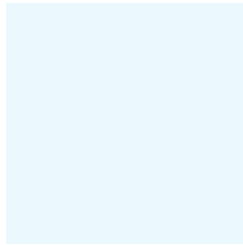


1.2688, 0.4011, 0.1983



# Previews

## White Background



This preview shows how the Yxy color 92.6335, 0.3005, 0.3230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

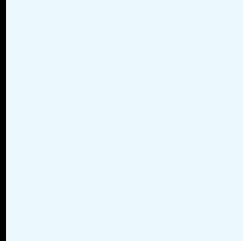
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.6335, 0.3005, 0.3230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

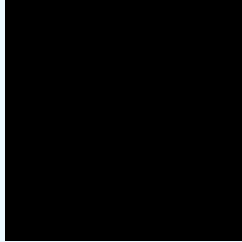
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

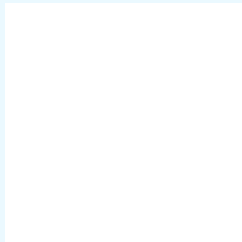
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.6335, 0.3005, 0.3230**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.6335, 0.3005, 0.3230.

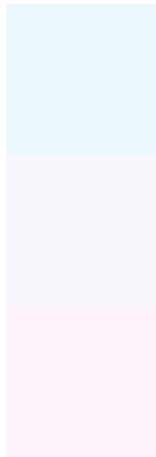


This preview shows how white text looks on a background with the Yxy color 92.6335, 0.3005, 0.3230.

# 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

92.6335, 0.3005, 0.3230

### Protanopia

92.5364, 0.3105, 0.3212

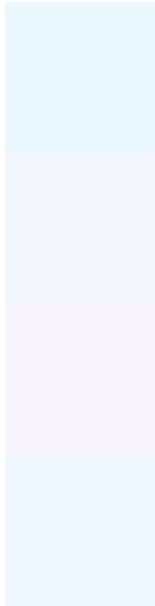
### Deuteranopia

92.3262, 0.3157, 0.3213

## **Tritanopia**

92.7962, 0.3055, 0.3212

# Trichromacy



## Original Color

92.6335, 0.3005, 0.3230

## Protanomaly

92.3004, 0.3067, 0.3212

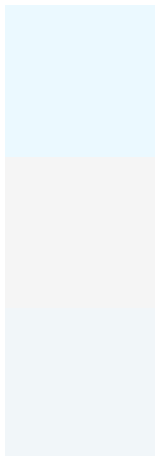
## Deuteranomaly

92.2895, 0.3105, 0.3222

## Tritanomaly

92.8801, 0.3036, 0.3221

# Monochromacy



## Original Color

92.6335, 0.3005, 0.3230

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

91.4519, 0.3078, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.6335, 0.3005, 0.3230 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(235, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 249, 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(235, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 249, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 92.6335, 0.3005, 0.3230 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(235, 249, 255) }
```

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

```
.border{ border-color:rgb(235, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 249,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.6335, 0.3005, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 249, 255) }
```

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

```
.background{ background-color: rgb(235,  
249, 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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