

# Converting Colors

$Yxy(64.4678, 0.2324, 0.3064)$

Have a look what the booklet for  
Yxy(64.4678, 0.2324, 0.3064)  
contains.

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# Color

**Yxy(64.4678, 0.2324, 0.3064)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DE4F6
RGB	93, 228, 246
RGB Percent	36%, 89%, 96%
CMY	0.6348, 0.1059, 0.0354
CMYK	0.62, 0.07, 0.00, 0.04
HSL	187°, 89%, 66%
HSV	187°, 62%, 96%
XYZ	48.8979, 64.4678, 97.0383
YIQ	189.6870, -86.2380, -23.0220

# Conversions

## Conversions Part 2

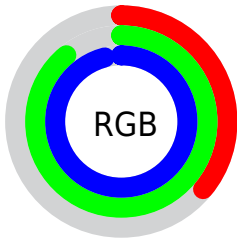
Format	Color
R <sub>Y</sub> B	93, 165, 246
Decimal	6153462
CIE Lab	84.21, -31.29, -19.69
CIE LCh	84, 36.976, 212.183
Yxy	64.4678, 0.2324, 0.3064
Android (android.graphics.Color)	4284343542 (0xFF5DE4F6)
YUV	189.6870, 27.7623, -84.7945
Hunter-Lab	80.2918, -31.8039, -15.4519

# Details

The Yxy color **64.4678, 0.2324, 0.3064** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.7733, 0.4989, 0.3470**, and the grayscale version is **51.1959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **33.2228, 0.2164, 0.2990** is the 20% darker color. If you saturate the color by 10%, you get **61.8055, 0.2250, 0.3022**, and if you desaturate by 10%, it is **67.5743, 0.2417, 0.3105**.

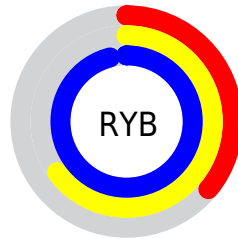
# Distribution



Red (36%)

Green (89%)

Blue (96%)



Red (36%)

Yellow (65%)

Blue (96%)

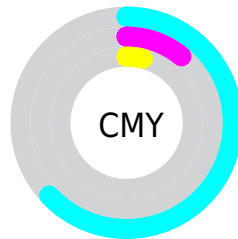


Cyan (62%)

Magenta (7%)

Yellow (0%)

Black (4%)



Cyan (63%)

Magenta (11%)


Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4678, 0.2324, 0.3064 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 64.4678, 0.2324, 0.3064 by changing the saturation by 10% instead.




 64.4678, 0.2324,  
0.3064


 64.4678, 0.2324,  
0.3064


440.8770, 0.2691,  
0.3182

 47.0297, 0.2242,  
0.3034


 111.2844, 0.2450,  
0.3107


 33.0591, 0.2142,  
0.2995


 141.4316, 0.2499,  
0.3124

 22.1717, 0.2017,  
0.2944


 176.5840, 0.2542,  
0.3137

 13.9831, 0.1858,  
0.2874

 217.1259, 0.2580,  
0.3149

 8.1089, 0.1648,  
0.2771

263.4418, 0.2612,  
0.3159

 4.1647, 0.1366,  
0.2612

315.9160, 0.2642,

 1.7661, 0.0971,

0.3168

0.2345

374.9329, 0.2668,  
0.3175

0.4659, 0.0000,  
0.1743

0.0000, 0.0000,  
0.0000

64.4678, 0.2324,  
0.3064

64.4678, 0.2324,  
0.3064

61.8055, 0.2250,  
0.3022

67.5743, 0.2417,  
0.3105

59.5390, 0.2195,  
0.2981

71.1538, 0.2528,  
0.3145

57.6208, 0.2159,  
0.2940

75.2406, 0.2654,  
0.3183

56.2986, 0.2141,  
0.2908

79.8638, 0.2793,  
0.3219

85.0502, 0.2940,  
0.3253

90.8248, 0.3094,  
0.3284

95.2039, 0.3184,  
0.3312

96.9998, 0.3182,  
0.3340

98.8233, 0.3180,  
0.3367

# Harmonies

## Analogous

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



64.4678, 0.2557, 0.3518



64.4678, 0.2324, 0.3064



64.4678, 0.2290, 0.2723

# Triad

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



64.4678, 0.2324, 0.3064



64.4678, 0.3258, 0.2753



64.4678, 0.3810, 0.4048

# Complementary

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



64.4678, 0.2324, 0.3064



31.7733, 0.4989, 0.3470

# 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.



64.4678, 0.4035, 0.3775



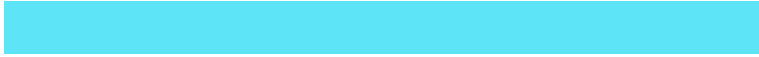
64.4678, 0.2324, 0.3064



64.4678, 0.3709, 0.3050

# Square

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



64.4678, 0.2324, 0.3064



64.4678, 0.2800, 0.2577



64.4678, 0.4002, 0.3413



64.4678, 0.3409, 0.4125



# Rectangle

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



64.4678, 0.2324, 0.3064



64.4678, 0.2380, 0.2593



64.4678, 0.4002, 0.3413



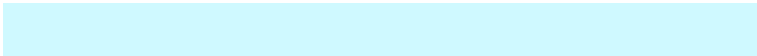
64.4678, 0.3910, 0.3973

# Sweetspot

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



64.4702, 0.2324, 0.3064



88.3573, 0.2838, 0.3230



69.3798, 0.2966, 0.5101



18.5796, 0.2796, 0.3220



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.



64.4702, 0.2324, 0.3064



66.2956, 0.2231, 0.3010



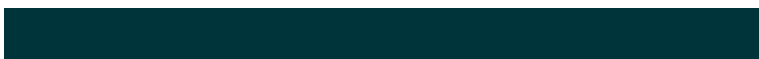
31.3503, 0.2084, 0.2020



18.4053, 0.2981, 0.3261



30.1914, 0.2143, 0.2915



2.7458, 0.2157, 0.2966



# Inverse Universe

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



33.0400, 0.3373, 0.1993



30.7532, 0.3433, 0.1830



56.0854, 0.4379, 0.4246



16.7327, 0.3156, 0.3084



13.1472, 0.3530, 0.1718

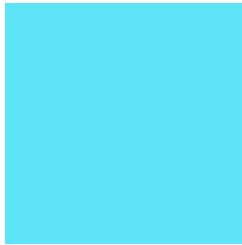


1.1648, 0.3484, 0.1693



# Previews

## White Background



This preview shows how the Yxy color 64.4678, 0.2324, 0.3064 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

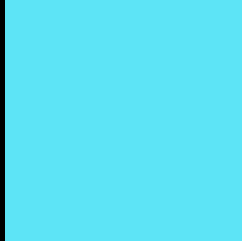
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.4678, 0.2324, 0.3064 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

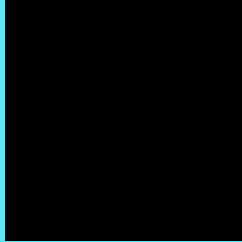
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.4678, 0.2324, 0.3064**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4678, 0.2324, 0.3064.

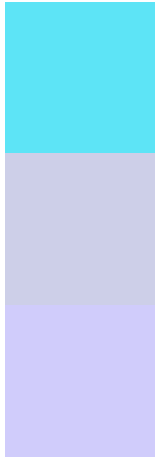


This preview shows how white text looks on a background with the Yxy color 64.4678, 0.2324, 0.3064.

# 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

64.4678, 0.2324, 0.3064

### Protanopia

63.4310, 0.2944, 0.3009

### Deuteranopia

63.5607, 0.2843, 0.2779



## Tritanopia

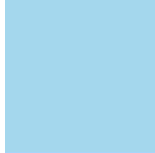
64.4678, 0.2324, 0.3064

# Trichromacy



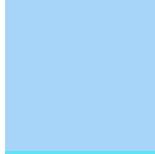
## Original Color

64.4678, 0.2324, 0.3064



## Protanomaly

62.6078, 0.2654, 0.3027



## Deuteranomaly

62.5350, 0.2599, 0.2870



## Tritanomaly

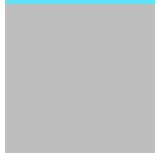
64.4678, 0.2324, 0.3064

# Monochromacy



## Original Color

64.4678, 0.2324, 0.3064



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

54.8074, 0.2739, 0.3212

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4678, 0.2324, 0.3064 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(93, 228, 246)` looks like.

```
.text, #text, p{  
    color:rgb(93, 228, 246)  
}
```

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(93, 228, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 228, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4678, 0.2324, 0.3064 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(93, 228, 246) }
```

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

```
.border{ border-color:rgb(93, 228, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 228, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 228, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 228, 246);  
box-shadow:4px 4px 4px 4px rgb(93, 228,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4678, 0.2324, 0.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 228, 246) }
```

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

```
.background{ background-color: rgb(93, 228,  
246) }
```

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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