

# Converting Colors

$Yxy(45.0126, 0.2318, 0.2757)$

Have a look what the booklet for  
Yxy(45.0126, 0.2318, 0.2757)  
contains.

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# Color

**Yxy(44.8214, 0.2318, 0.2757)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	66BDE4
RGB	102, 189, 228
RGB Percent	40%, 74%, 89%
CMY	0.5998, 0.2588, 0.1059
CMYK	0.55, 0.17, 0.00, 0.11
HSL	199°, 70%, 65%
HSV	199°, 55%, 89%
XYZ	37.6844, 44.8214, 80.0672
YIQ	167.4330, -64.3710, -6.3150

# Conversions

## Conversions Part 2

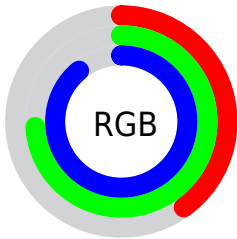
Format	Color
<a href="#">RYB</a>	102, 153, 228
Decimal	6733284
CIELab	72.77, -15.33, -27.46
CIELCh	73, 31.450, 240.833
Yxy	44.8214, 0.2318, 0.2757
Android (android.graphics.Color)	4284923364 (0xFF66BDE4)
YUV	167.4330, 29.8595, -57.3847
Hunter-Lab	66.9488, -16.6855, -24.0436

# Details

The Yxy color **44.8214, 0.2318, 0.2757** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **36.5207, 0.4493, 0.3735**, and the grayscale version is **38.7467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1019, 0.2594, 0.3177**, and **20.9270, 0.2113, 0.2615** is the 20% darker color. If you saturate the color by 10%, you get **40.7042, 0.2203, 0.2641**, and if you desaturate by 10%, it is **49.4562, 0.2448, 0.2869**.

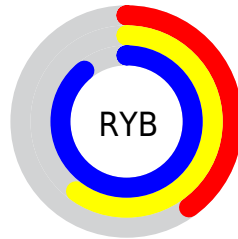
# Distribution



Red (40%)

Green (74%)

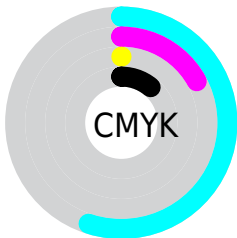
Blue (89%)



Red (40%)

Yellow (60%)

Blue (89%)

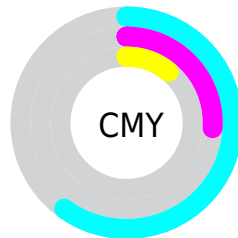


Cyan (55%)

Magenta (17%)

Yellow (0%)

Black (11%)



Cyan (60%)

Magenta (26%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8214, 0.2318, 0.2757 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 44.8214, 0.2318, 0.2757 by changing the saturation by 10% instead.



■ 44.8214, 0.2318,  
0.2757

■ 44.8214, 0.2318,  
0.2757

■ 366.0497, 0.2711,  
0.3029

■ 31.3168, 0.2225,  
0.2689

■ 82.4523, 0.2457,  
0.2856

■ 20.8402, 0.2108,  
0.2601

■ 107.3474, 0.2511,  
0.2894

■ 13.0072, 0.1959,  
0.2485

■ 136.8082, 0.2556,  
0.2925

■ 7.4335, 0.1762,  
0.2326

■ 171.2189, 0.2595,  
0.2952

■ 3.7347, 0.1493,  
0.2097

■ 210.9640, 0.2630,  
0.2975

■ 1.5263, 0.1118,  
0.1747

■ 256.4279, 0.2660,

■ 0.3071, 0.0000,

0.2995

0.0953

307.9950, 0.2687,  
0.3013

0.0000, 0.0000,  
0.0000

44.8214, 0.2318,  
0.2757

44.8214, 0.2318,  
0.2757

40.7042, 0.2203,  
0.2641

49.4562, 0.2448,  
0.2869

37.0666, 0.2107,  
0.2522

54.6329, 0.2589,  
0.2975

33.8723, 0.2031,  
0.2404


60.3799, 0.2738,  
0.3075

31.0752, 0.1975,  
0.2287


66.7219, 0.2892,  
0.3166

29.8495, 0.1953,  
0.2231

73.6820, 0.3046,  
0.3250

 81.2816, 0.3200,  
0.3325

 88.2584, 0.3304,  
0.3393

 92.4608, 0.3296,  
0.3461

 96.8265, 0.3288,  
0.3529

# Harmonies

## Analogous

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



44.8214, 0.2360, 0.3093



44.8214, 0.2318, 0.2757



44.8214, 0.2470, 0.2590

# Triad

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



44.8214, 0.2318, 0.2757



44.8214, 0.3668, 0.3045



44.8214, 0.3419, 0.4092

# Complementary

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



44.8214, 0.2318, 0.2757



36.5207, 0.4493, 0.3735

# 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.



44.8214, 0.3799, 0.4011



44.8214, 0.2318, 0.2757



44.8214, 0.3959, 0.3394

# Square

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



44.8214, 0.2318, 0.2757



44.8214, 0.3233, 0.2762



44.8214, 0.4004, 0.3744



44.8214, 0.2977, 0.3916



# Rectangle

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



44.8214, 0.2318, 0.2757



44.8214, 0.2670, 0.2577



44.8214, 0.4004, 0.3744



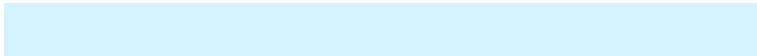
44.8214, 0.3558, 0.4092

# Sweetspot

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



44.8231, 0.2318, 0.2757



84.4166, 0.2863, 0.3150



60.2058, 0.2864, 0.4543



17.7078, 0.2832, 0.3132



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.



44.8231, 0.2318, 0.2757



51.8867, 0.2191, 0.2627



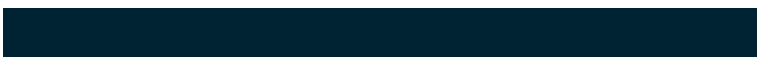
23.6692, 0.2129, 0.1859



15.5437, 0.2981, 0.3216



17.4552, 0.1958, 0.2249



1.4532, 0.2005, 0.2419



# Inverse Universe

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



29.6805, 0.3615, 0.2336



32.3340, 0.3756, 0.2193



60.0789, 0.4065, 0.4384



14.5352, 0.3185, 0.3129



10.9598, 0.4180, 0.2076

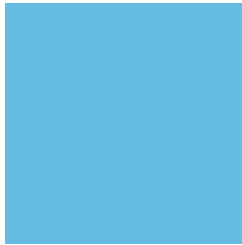


0.8264, 0.4003, 0.1979



# Previews

## White Background



This preview shows how the Yxy color 44.8214, 0.2318, 0.2757 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

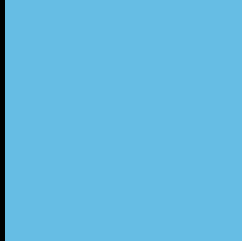
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.8214, 0.2318, 0.2757 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 44.8214, 0.2318, 0.2757**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.8214, 0.2318, 0.2757.

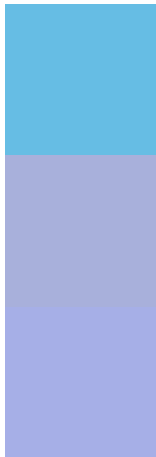


This preview shows how white text looks on a background with the Yxy color 44.8214, 0.2318, 0.2757.

# 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

44.8214, 0.2318, 0.2757

### Protanopia

44.4900, 0.2741, 0.2743

### Deuteranopia

44.5365, 0.2647, 0.2592



## Tritanopia

44.6330, 0.2388, 0.3058

# Trichromacy



**Original Color**

44.8214, 0.2318, 0.2757

**Protanomaly**

44.2510, 0.2561, 0.2750

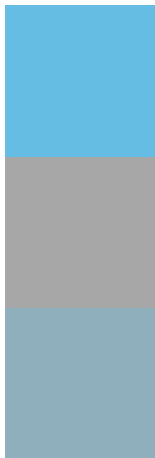
**Deuteranomaly**

44.1953, 0.2506, 0.2642

**Tritanomaly**

44.7093, 0.2364, 0.2950

# Monochromacy



**Original Color**

44.8214, 0.2318, 0.2757

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

40.1737, 0.2757, 0.3090

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8214, 0.2318, 0.2757 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(102, 189, 228)` looks like.

```
.text, #text, p{  
    color:rgb(102, 189, 228)  
}
```

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(102, 189, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 189, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8214, 0.2318, 0.2757 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(102, 189, 228) }
```

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

```
.border{ border-color:rgb(102, 189, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 189, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 189, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 189, 228);  
box-shadow:4px 4px 4px 4px rgb(102, 189,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8214, 0.2318, 0.2757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 189, 228) }
```

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

```
.background{ background-color: rgb(102,  
189, 228) }
```

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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