

Converting Colors

$Y_{xy}(45.3870, 0.2116, 0.2439)$

Have a look what the booklet for
Yxy(45.3870, 0.2116, 0.2439)
contains.

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Color

Yxy(45.5834, 0.2117, 0.2446)

Conversions

Conversions Part 1

Format	Color
Hex	4CBEFF
RGB	76, 190, 255
RGB Percent	30%, 75%, 100%
CMY	0.7013, 0.2549, 0.0000
CMYK	0.70, 0.25, 0.00, 0.00
HSL	202°, 100%, 65%
HSV	202°, 70%, 100%
XYZ	39.4522, 45.5834, 101.3234
YIQ	163.3240, -88.8090, -3.9530

Conversions

Conversions Part 2

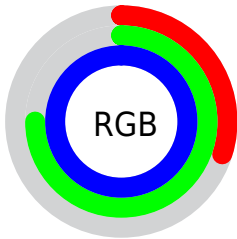
Format	Color
R_{YB}	76, 146, 255
Decimal	5029631
CIE _{Lab}	73.27, -11.83, -41.34
CIE _{LCh}	73, 42.997, 254.034
Yxy	45.5834, 0.2117, 0.2446
Android (android.graphics.Color)	4283219711 (0xFF4CBEFF)
YUV	163.3240, 45.1963, -76.5831
Hunter-Lab	67.5155, -13.8469, -41.7182

Details

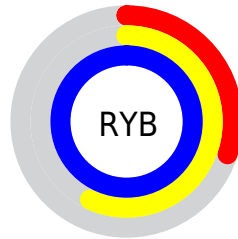
The Yxy color **45.5834, 0.2117, 0.2446** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **40.8829, 0.4962, 0.3894**, and the grayscale version is **36.6209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0608, 0.2519, 0.3186**, and **21.9685, 0.1958, 0.2247** is the 20% darker color. If you saturate the color by 10%, you get **40.8487, 0.2023, 0.2304**, and if you desaturate by 10%, it is **50.9905, 0.2231, 0.2587**.

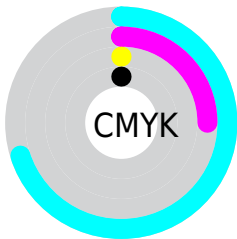
Distribution



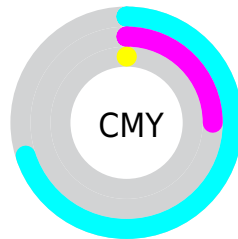
- Red (30%)
- Green (75%)
- Blue (100%)



- Red (30%)
- Yellow (57%)
- Blue (100%)



- Cyan (70%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5834, 0.2117, 0.2446 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 45.5834, 0.2117, 0.2446 by changing the saturation by 10% instead.


 45.5834, 0.2117,
0.2446


 45.5834, 0.2117,
0.2446


369.1312, 0.2597,
0.2862


 31.9172, 0.2007,
0.2347

 83.5952, 0.2284,
0.2594

 21.2983, 0.1872,
0.2223


 108.7095, 0.2349,
0.2651

 13.3422, 0.1703,
0.2066


 138.4087, 0.2405,
0.2699

 7.6646, 0.1488,
0.1860

 173.0772, 0.2454,
0.2741

 3.8811, 0.1212,
0.1584

213.0993, 0.2496,
0.2777

 1.6073, 0.0856,
0.1211

258.8594, 0.2534,

 0.3625, 0.0092,

0.2809

0.0598

310.7419, 0.2567,
0.2837

0.0000, 0.0000,
0.0000

45.5834, 0.2117,
0.2446

45.5834, 0.2117,
0.2446

40.8487, 0.2023,
0.2304

50.9905, 0.2231,
0.2587

36.7248, 0.1950,
0.2163

57.1135, 0.2362,
0.2724

33.1677, 0.1897,
0.2028

63.9965, 0.2505,
0.2855

71.6779, 0.2656,
0.2978

80.1932, 0.2812,
0.3092

■ 89.5751, 0.2970,
0.3195

99.8546, 0.3125,
0.3289

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



45.5834, 0.2057, 0.2783



45.5834, 0.2117, 0.2446



45.5834, 0.2414, 0.2344

Triad

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



45.5834, 0.2117, 0.2446



45.5834, 0.4075, 0.3148



45.5834, 0.3240, 0.4345

Complementary

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



45.5834, 0.2117, 0.2446



40.8829, 0.4962, 0.3894

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.



45.5834, 0.3810, 0.4353



45.5834, 0.2117, 0.2446



45.5834, 0.4329, 0.3612

Square

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



45.5834, 0.2117, 0.2446



45.5834, 0.3536, 0.2739



45.5834, 0.4219, 0.4054



45.5834, 0.2669, 0.3949

Rectangle

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



45.5834, 0.2117, 0.2446



45.5834, 0.2732, 0.2396



45.5834, 0.4219, 0.4054



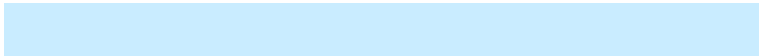
45.5834, 0.3439, 0.4391

Sweetspot

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



45.5850, 0.2117, 0.2446



79.4230, 0.2799, 0.3082



74.9180, 0.2803, 0.4839



16.4827, 0.2756, 0.3052



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.



45.5850, 0.2117, 0.2446



39.1858, 0.1992, 0.2249



18.4606, 0.1834, 0.1308



19.3058, 0.2980, 0.3202



17.6254, 0.1903, 0.2050



1.9241, 0.1947, 0.2208

Inverse Universe

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



30.1677, 0.3935, 0.2234



26.0119, 0.4163, 0.2167



77.3647, 0.4243, 0.4666



18.1817, 0.3194, 0.3140



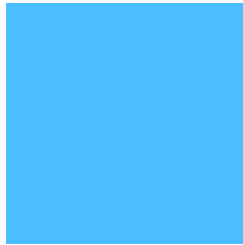
12.5073, 0.4396, 0.2195



1.2388, 0.4224, 0.2101

Previews

White Background



This preview shows how the Yxy color 45.5834, 0.2117, 0.2446 looks on a white background.

Color Contrast Check

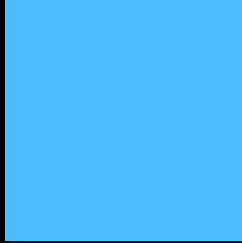
Large Text (above 18pt) WCAG AA × Fail

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 45.5834, 0.2117, 0.2446 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

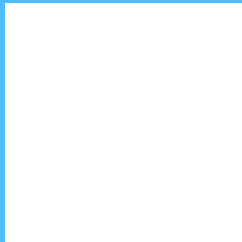
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.5834, 0.2117, 0.2446

Background



This preview shows how black text looks on a background with the Yxy color 45.5834, 0.2117, 0.2446.



This preview shows how white text looks on a background with the Yxy color 45.5834, 0.2117, 0.2446.

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

45.5834, 0.2117, 0.2446

Protanopia

44.9532, 0.2523, 0.2457

Deuteranopia

45.0538, 0.2403, 0.2345



Tritanopia

45.8240, 0.2231, 0.3055

Trichromacy



Original Color

45.5834, 0.2117, 0.2446

Protanomaly

44.4922, 0.2334, 0.2442

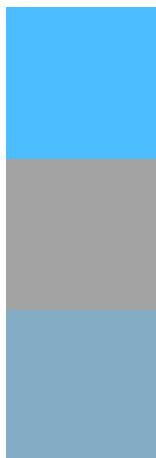
Deuteranomaly

44.8869, 0.2274, 0.2377

Tritanomaly

45.5572, 0.2182, 0.2813

Monochromacy



Original Color

45.5834, 0.2117, 0.2446

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.6980, 0.2619, 0.2957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5834, 0.2117, 0.2446 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(76, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 190, 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(76, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.5834, 0.2117, 0.2446 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(76, 190, 255) }
```

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

```
.border{ border-color:rgb(76, 190, 255) }
```

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

Here you see how a box with a 4 pixel rgb(76, 190, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5834, 0.2117, 0.2446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 190, 255) }
```

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

```
.background{ background-color: rgb(76, 190,  
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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