

Converting Colors

$Yxy(48.5394, 0.2216, 0.2514)$

Have a look what the booklet for
Yxy(48.5394, 0.2216, 0.2514)
contains.

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Color

Yxy(48.6284, 0.2217, 0.2517)

Conversions

Conversions Part 1

Format	Color
Hex	66C2FF
RGB	102, 194, 255
RGB Percent	40%, 76%, 100%
CMY	0.5995, 0.2393, 0.0000
CMYK	0.60, 0.24, 0.00, 0.00
HSL	204°, 100%, 70%
HSV	204°, 60%, 100%
XYZ	42.8324, 48.6284, 101.7390
YIQ	173.4460, -74.4130, -0.5330

Conversions

Conversions Part 2

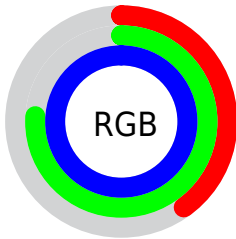
Format	Color
R _Y B	102, 159, 255
Decimal	6734591
CIE Lab	75.22, -9.85, -38.25
CIE LCh	75, 39.499, 255.559
Yxy	48.6284, 0.2217, 0.2517
Android (android.graphics.Color)	4284924671 (0xFF66C2FF)
YUV	173.4460, 40.2061, -62.6581
Hunter-Lab	69.7341, -12.3955, -37.6877

Details

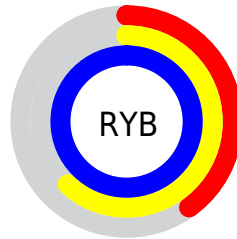
The Yxy color **48.6284, 0.2217, 0.2517** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.4695, 0.4570, 0.3902**, and the grayscale version is **41.8647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4837, 0.2616, 0.3233**, and **23.2757, 0.1998, 0.2324** is the 20% darker color. If you saturate the color by 10%, you get **42.9837, 0.2097, 0.2361**, and if you desaturate by 10%, it is **55.0445, 0.2353, 0.2669**.

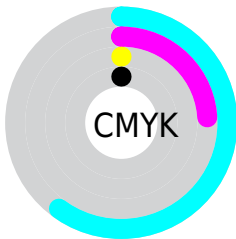
Distribution



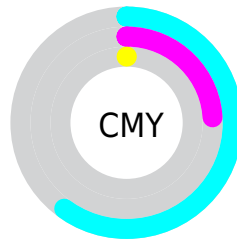
- Red (40%)
- Green (76%)
- Blue (100%)



- Red (40%)
- Yellow (62%)
- Blue (100%)



- Cyan (60%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6284, 0.2217, 0.2517 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 48.6284, 0.2217, 0.2517 by changing the saturation by 10% instead.


 48.6284, 0.2217,
0.2517


 48.6284, 0.2217,
0.2517


381.2776, 0.2648,
0.2895


 34.3248, 0.2118,
0.2427


 88.1393, 0.2368,
0.2651

 23.1432, 0.1996,
0.2316


 114.1154, 0.2426,
0.2702

 14.6993, 0.1843,
0.2173


 144.7511, 0.2476,
0.2746

 8.6086, 0.1647,
0.1987

180.4308, 0.2520,
0.2784

 4.4868, 0.1390,
0.1735

221.5389, 0.2558,
0.2817

 1.9494, 0.1050,
0.1388

268.4598, 0.2592,

 0.5778, 0.0468,

0.2846

0.0877

321.5779, 0.2622,
0.2872

0.0000, 0.0000,
0.0000

48.6284, 0.2217,
0.2517

48.6284, 0.2217,
0.2517

42.9837, 0.2097,
0.2361

55.0445, 0.2353,
0.2669

38.0565, 0.1997,
0.2204

62.2718, 0.2501,
0.2814

33.7898, 0.1919,
0.2049

70.3514, 0.2656,
0.2949

30.0929, 0.1861,
0.1899

79.3203, 0.2814,
0.3074

30.0744, 0.1861,
0.1899

89.2125, 0.2972,
0.3188

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



48.6284, 0.2151, 0.2817



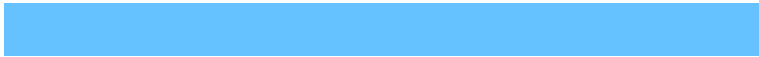
48.6284, 0.2217, 0.2517



48.6284, 0.2501, 0.2430

Triad

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



48.6284, 0.2217, 0.2517



48.6284, 0.3997, 0.3187



48.6284, 0.3208, 0.4220

Complementary

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



48.6284, 0.2217, 0.2517



48.4695, 0.4570, 0.3902

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.



48.6284, 0.3726, 0.4255



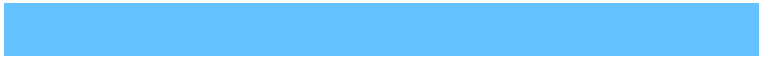
48.6284, 0.2217, 0.2517



48.6284, 0.4212, 0.3614

Square

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



48.6284, 0.2217, 0.2517



48.6284, 0.3525, 0.2807



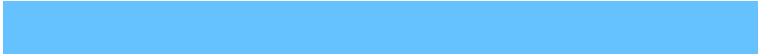
48.6284, 0.4102, 0.4007



48.6284, 0.2693, 0.3852

Rectangle

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



48.6284, 0.2217, 0.2517



48.6284, 0.2797, 0.2482



48.6284, 0.4102, 0.4007



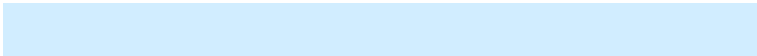
48.6284, 0.3388, 0.4270

Sweetspot

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



48.6299, 0.2217, 0.2517



81.1728, 0.2845, 0.3097



76.9165, 0.2795, 0.4511



16.7845, 0.2799, 0.3063



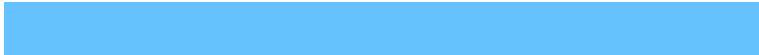
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



48.6299, 0.2217, 0.2517



41.9153, 0.2075, 0.2329



23.4783, 0.2000, 0.1552



19.1935, 0.2979, 0.3193



16.0146, 0.1868, 0.1923



1.7731, 0.1915, 0.2095

Inverse Universe

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



34.6837, 0.3839, 0.2388



29.1833, 0.4054, 0.2278



82.8864, 0.4074, 0.4565



18.1704, 0.3200, 0.3148



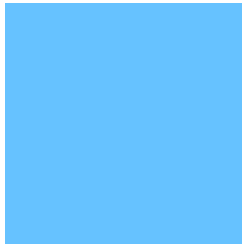
12.3446, 0.4541, 0.2275



1.2235, 0.4347, 0.2168

Previews

White Background



This preview shows how the Yxy color 48.6284, 0.2217, 0.2517 looks on a white background.

Color Contrast Check

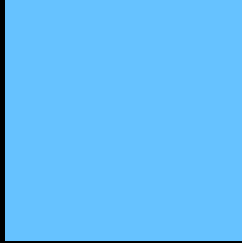
Large Text (above 18pt) WCAG AA × Fail

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 48.6284, 0.2217, 0.2517 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

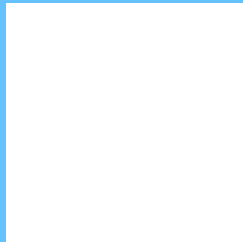
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6284, 0.2217, 0.2517

Background



This preview shows how black text looks on a background with the Yxy color 48.6284, 0.2217, 0.2517.

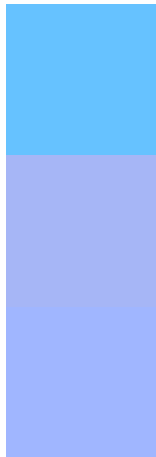


This preview shows how white text looks on a background with the Yxy color 48.6284, 0.2217, 0.2517.

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

48.6284, 0.2217, 0.2517

Protanopia

48.2167, 0.2567, 0.2522

Deuteranopia

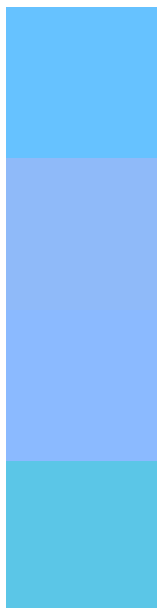
48.1495, 0.2480, 0.2423



Tritanopia

48.7143, 0.2338, 0.3065

Trichromacy



Original Color

48.6284, 0.2217, 0.2517

Protanomaly

47.7970, 0.2418, 0.2513

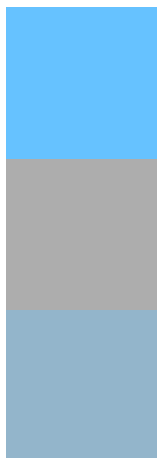
Deuteranomaly

47.8268, 0.2366, 0.2447

Tritanomaly

48.3818, 0.2287, 0.2843

Monochromacy



Original Color

48.6284, 0.2217, 0.2517

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.5626, 0.2699, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6284, 0.2217, 0.2517 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, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 194, 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(102, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 194, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.6284, 0.2217, 0.2517 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, 194, 255) }
```

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

```
.border{ border-color:rgb(102, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 194, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 194, 255); box-shadow:4px 4px 4px 4px rgb(102, 194, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6284, 0.2217, 0.2517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 194, 255) }
```

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

```
.background{ background-color: rgb(102,  
194, 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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