

Converting Colors

$Y_{xy}(48.1024, 0.2180, 0.2511)$

Have a look what the booklet for
Yxy(48.1024, 0.2180, 0.2511)
contains.

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Color

Yxy(48.0789, 0.2180, 0.2510)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 5CC2FF |
| RGB | 92, 194, 255 |
| RGB Percent | 36%, 76%, 100% |
| CMY | 0.6393, 0.2392, 0.0000 |
| CMYK | 0.64, 0.24, 0.00, 0.00 |
| HSL | 202°, 100%, 68% |
| HSV | 202°, 64%, 100% |
| XYZ | 41.7578, 48.0789, 101.7127 |
| YIQ | 170.4560, -80.3730, -2.6530 |

Conversions

Conversions Part 2

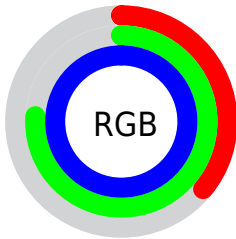
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 92, 155, 255 |
| Decimal | 6079231 |
| CIE Lab | 74.87, -11.60, -38.83 |
| CIE LCh | 75, 40.524, 253.371 |
| Yxy | 48.0789, 0.2180, 0.2510 |
| Android (android.graphics.Color) | 4284269311 (0xFF5CC2FF) |
| YUV | 170.4560, 41.6802, -68.8059 |
| Hunter-Lab | 69.3390, -13.8457, -38.4347 |

Details

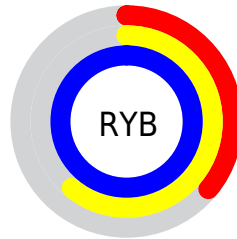
The Yxy color **48.0789, 0.2180, 0.2510** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **44.8108, 0.4733, 0.3888**, and the grayscale version is **40.2538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6591, 0.2579, 0.3233**, and **23.1270, 0.1978, 0.2320** is the 20% darker color. If you saturate the color by 10%, you get **42.8671, 0.2072, 0.2364**, and if you desaturate by 10%, it is **54.0045, 0.2306, 0.2654**.

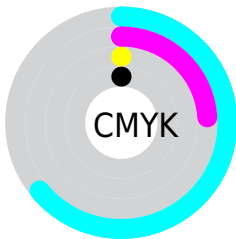
Distribution



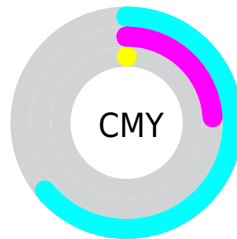
- Red (36%)
- Green (76%)
- Blue (100%)



- Red (36%)
- Yellow (61%)
- Blue (100%)



- Cyan (64%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (64%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0789, 0.2180, 0.2510 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 48.0789, 0.2180, 0.2510 by changing the saturation by 10% instead.


 48.0789, 0.2180,
0.2510


 48.0789, 0.2180,
0.2510


379.1048, 0.2629,
0.2893

 33.8894, 0.2077,
0.2419


 87.3219, 0.2336,
0.2646


 22.8086, 0.1951,
0.2305


 113.1441, 0.2397,
0.2698

 14.4523, 0.1793,
0.2160


 143.6127, 0.2449,
0.2743

 8.4359, 0.1591,
0.1970

 179.1120, 0.2495,
0.2781

 4.3751, 0.1327,
0.1713

220.0265, 0.2534,
0.2814

 1.8855, 0.0983,
0.1360

266.7405, 0.2569,

 0.5397, 0.0355,

0.2844

0.0834

319.6385, 0.2601,
0.2870

■ 0.0000, 0.0000,
0.0000

■ 48.0789, 0.2180,
0.2510

■ 48.0789, 0.2180,
0.2510

■ 42.8671, 0.2072,
0.2364

■ 54.0045, 0.2306,
0.2654

■ 38.3186, 0.1984,
0.2218

■ 60.6898, 0.2447,
0.2792

■ 34.3712, 0.1918,
0.2074

■ 68.1748, 0.2597,
0.2922

■ 32.2158, 0.1886,
0.1989

■ 76.4963, 0.2752,
0.3043

■ 85.6884, 0.2910,
0.3153

95.7831, 0.3067,
0.3254

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.



48.0789, 0.2130, 0.2833



48.0789, 0.2180, 0.2510



48.0789, 0.2456, 0.2407

Triad

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



48.0789, 0.2180, 0.2510



48.0789, 0.3995, 0.3152



48.0789, 0.3249, 0.4265

Complementary

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



48.0789, 0.2180, 0.2510



44.8108, 0.4733, 0.3888

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.



48.0789, 0.3777, 0.4273



48.0789, 0.2180, 0.2510



48.0789, 0.4239, 0.3588

Square

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



48.0789, 0.2180, 0.2510



48.0789, 0.3495, 0.2769



48.0789, 0.4148, 0.3999



48.0789, 0.2715, 0.3907

Rectangle

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



48.0789, 0.2180, 0.2510



48.0789, 0.2750, 0.2451



48.0789, 0.4148, 0.3999



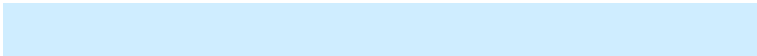
48.0789, 0.3434, 0.4307

Sweetspot

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



48.0786, 0.2180, 0.2510



80.9138, 0.2830, 0.3098



76.0538, 0.2798, 0.4645



16.7643, 0.2785, 0.3066



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.



48.0786, 0.2180, 0.2510



41.4011, 0.2042, 0.2319



21.4669, 0.1933, 0.1459



19.2720, 0.2979, 0.3199



17.1297, 0.1892, 0.2012



1.8778, 0.1937, 0.2174

Inverse Universe

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



32.8073, 0.3857, 0.2309



27.7099, 0.4077, 0.2207



80.4605, 0.4144, 0.4606



18.1783, 0.3196, 0.3142



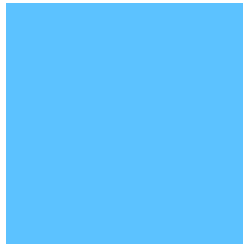
12.4572, 0.4439, 0.2219



1.2341, 0.4261, 0.2121

Previews

White Background



This preview shows how the Yxy color 48.0789, 0.2180, 0.2510 looks on a white background.

Color Contrast Check

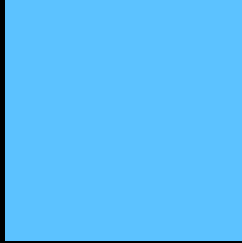
Large Text (above 18pt) WCAG AA × Fail

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 48.0789, 0.2180, 0.2510 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

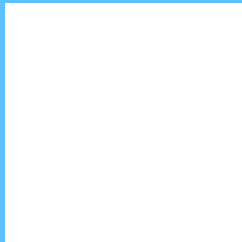
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0789, 0.2180, 0.2510

Background



This preview shows how black text looks on a background with the Yxy color 48.0789, 0.2180, 0.2510.

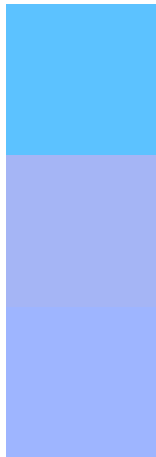


This preview shows how white text looks on a background with the Yxy color 48.0789, 0.2180, 0.2510.

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

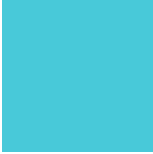
48.0789, 0.2180, 0.2510

Protanopia

47.6397, 0.2565, 0.2518

Deuteranopia

47.5368, 0.2465, 0.2408



Tritanopia

48.1608, 0.2294, 0.3062

Trichromacy



Original Color

48.0789, 0.2180, 0.2510

Protanomaly

47.3606, 0.2390, 0.2507

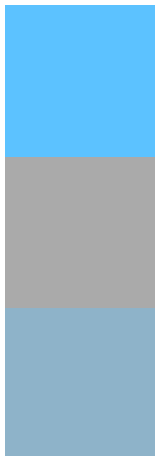
Deuteranomaly

47.4061, 0.2340, 0.2441

Tritanomaly

47.8200, 0.2246, 0.2838

Monochromacy



Original Color

48.0789, 0.2180, 0.2510

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.2080, 0.2674, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0789, 0.2180, 0.2510 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(92, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(92, 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(92, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 194, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.0789, 0.2180, 0.2510 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(92, 194, 255) }
```

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

```
.border{ border-color:rgb(92, 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(92, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(92, 194,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0789, 0.2180, 0.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 194, 255) }
```

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

```
.background{ background-color: rgb(92, 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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