

Converting Colors

$Y_{xy}(48.7775, 0.2149, 0.2542)$

Have a look what the booklet for
Yxy(48.7775, 0.2149, 0.2542)
contains.

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Color

Yxy(48.8148, 0.2149, 0.2544)

Conversions

Conversions Part 1

Format	Color
Hex	4FC5FF
RGB	79, 197, 255
RGB Percent	31%, 77%, 100%
CMY	0.6902, 0.2274, 0.0001
CMYK	0.69, 0.23, 0.00, 0.00
HSL	200°, 100%, 65%
HSV	200°, 69%, 100%
XYZ	41.2355, 48.8148, 101.8318
YIQ	168.3300, -88.9460, -6.9780

Conversions

Conversions Part 2

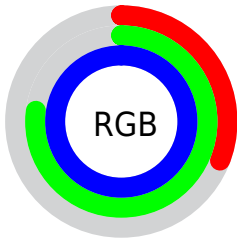
Format	Color
RYB	79, 150, 255
Decimal	5228031
CIELab	75.34, -15.18, -38.11
CIElCh	75, 41.021, 248.286
Yxy	48.8148, 0.2149, 0.2544
Android (android.graphics.Color)	4283418111 (0xFF4FC5FF)
YUV	168.3300, 42.7283, -78.3424
Hunter-Lab	69.8676, -16.9186, -37.5077

Details

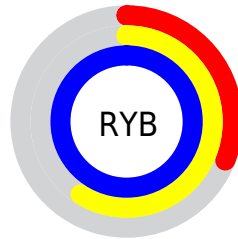
The Yxy color **48.8148, 0.2149, 0.2544** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **39.6961, 0.4978, 0.3831**, and the grayscale version is **39.1461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2146, 0.2543, 0.3277**, and **23.7221, 0.1988, 0.2356** is the 20% darker color. If you saturate the color by 10%, you get **44.2166, 0.2058, 0.2416**, and if you desaturate by 10%, it is **54.0479, 0.2260, 0.2670**.

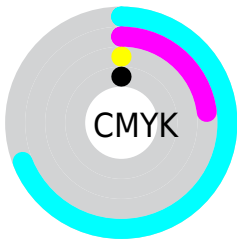
Distribution



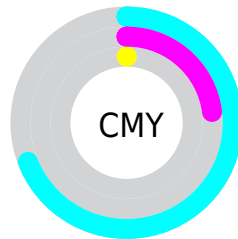
- Red (31%)
- Green (77%)
- Blue (100%)



- Red (31%)
- Yellow (59%)
- Blue (100%)



- Cyan (69%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)




- Cyan (69%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8148, 0.2149, 0.2544 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 48.8148, 0.2149, 0.2544 by changing the saturation by 10% instead.

 48.8148, 0.2149,
0.2544

 48.8148, 0.2149,
0.2544


382.0128, 0.2610,
0.2912


 34.4726, 0.2044,
0.2456

 88.4163, 0.2309,
0.2675

 23.2569, 0.1915,
0.2345


 114.4444, 0.2372,
0.2726

 14.7833, 0.1754,
0.2204


 145.1366, 0.2425,
0.2768

 8.6674, 0.1550,
0.2018

 180.8773, 0.2472,
0.2805

 4.5249, 0.1285,
0.1766

222.0509, 0.2513,
0.2837

 1.9713, 0.0941,
0.1415

269.0417, 0.2549,

 0.5907, 0.0294,

0.2865

0.0909

322.2342, 0.2581,
0.2890

0.0000, 0.0000,
0.0000

48.8148, 0.2149,
0.2544

48.8148, 0.2149,
0.2544

44.2166, 0.2058,
0.2416

54.0479, 0.2260,
0.2670

40.1937, 0.1987,
0.2289

59.9569, 0.2387,
0.2793

36.6692, 0.1936,
0.2165

66.5844, 0.2528,
0.2910

36.3416, 0.1931,
0.2153

73.9674, 0.2677,
0.3020

82.1397, 0.2831,
0.3121

■ 91.1330, 0.2987,
0.3214

99.9982, 0.3127,
0.3290

Harmonies

Analogous

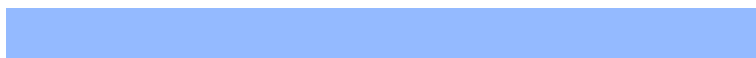
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.8148, 0.2138, 0.2906



48.8148, 0.2149, 0.2544



48.8148, 0.2389, 0.2404

Triad

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



48.8148, 0.2149, 0.2544



48.8148, 0.3930, 0.3080



48.8148, 0.3345, 0.4299

Complementary

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



48.8148, 0.2149, 0.2544



39.6961, 0.4978, 0.3831

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.



48.8148, 0.3859, 0.4249



48.8148, 0.2149, 0.2544



48.8148, 0.4229, 0.3514

Square

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



48.8148, 0.2149, 0.2544



48.8148, 0.3399, 0.2711



48.8148, 0.4194, 0.3939



48.8148, 0.2797, 0.3994

Rectangle

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



48.8148, 0.2149, 0.2544



48.8148, 0.2665, 0.2426



48.8148, 0.4194, 0.3939



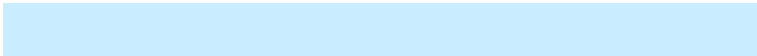
48.8148, 0.3527, 0.4320

Sweetspot

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



48.8165, 0.2149, 0.2544



80.4785, 0.2800, 0.3102



74.9050, 0.2828, 0.4889



16.7348, 0.2757, 0.3074



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.



48.8165, 0.2149, 0.2544



42.5607, 0.2027, 0.2365



20.3037, 0.1869, 0.1406



19.4139, 0.2980, 0.3210



19.2787, 0.1937, 0.2173



2.0772, 0.1977, 0.2315

Inverse Universe

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



30.8764, 0.3839, 0.2191



26.5284, 0.4042, 0.2107



74.4384, 0.4269, 0.4609



18.1926, 0.3189, 0.3132



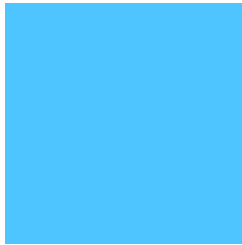
12.6742, 0.4261, 0.2121



1.2542, 0.4110, 0.2038

Previews

White Background



This preview shows how the Yxy color 48.8148, 0.2149, 0.2544 looks on a white background.

Color Contrast Check

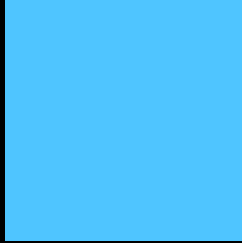
Large Text (above 18pt) WCAG AA × Fail

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 48.8148, 0.2149, 0.2544 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

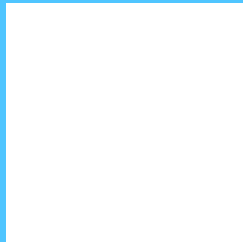
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8148, 0.2149, 0.2544

Background



This preview shows how black text looks on a background with the Yxy color 48.8148, 0.2149, 0.2544.

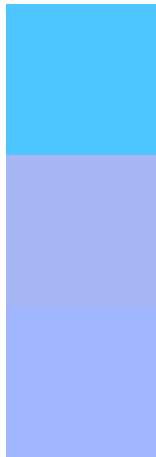


This preview shows how white text looks on a background with the Yxy color 48.8148, 0.2149, 0.2544.

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

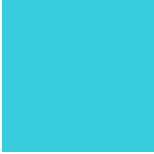
48.8148, 0.2149, 0.2544

Protanopia

48.2030, 0.2585, 0.2544

Deuteranopia

48.1495, 0.2480, 0.2423



Tritanopia

48.7199, 0.2246, 0.3048

Trichromacy



Original Color

48.8148, 0.2149, 0.2544

Protanomaly

47.4689, 0.2381, 0.2528

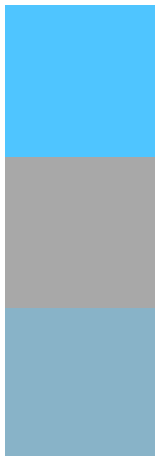
Deuteranomaly

47.5859, 0.2327, 0.2451

Tritanomaly

48.7465, 0.2206, 0.2851

Monochromacy



Original Color

48.8148, 0.2149, 0.2544

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

41.6446, 0.2638, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8148, 0.2149, 0.2544 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(79, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 197, 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(79, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 197, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.8148, 0.2149, 0.2544 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(79, 197, 255) }
```

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

```
.border{ border-color:rgb(79, 197, 255) }
```

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

Here you see how a box with a 4 pixel rgb(79, 197, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 197,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8148, 0.2149, 0.2544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 197, 255) }
```

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

```
.background{ background-color: rgb(79, 197,  
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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