

Converting Colors

$Y_{xy}(49.0827, 0.2211, 0.2533)$

Have a look what the booklet for
Yxy(49.0827, 0.2211, 0.2533)
contains.

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Color

Yxy(48.9029, 0.2208, 0.2528)

Conversions

Conversions Part 1

Format	Color
Hex	63C3FF
RGB	99, 195, 255
RGB Percent	39%, 76%, 100%
CMY	0.6119, 0.2353, 0.0000
CMYK	0.61, 0.24, 0.00, 0.00
HSL	203°, 100%, 69%
HSV	203°, 61%, 100%
XYZ	42.7127, 48.9029, 101.8295
YIQ	173.1360, -76.4760, -1.6920

Conversions

Conversions Part 2

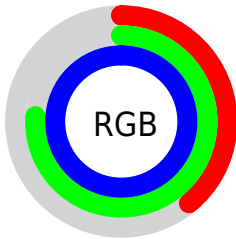
Format	Color
R _Y B	99, 158, 255
Decimal	6538239
CIE Lab	75.39, -10.95, -38.01
CIE LCh	75, 39.559, 253.936
Yxy	48.9029, 0.2208, 0.2528
Android (android.graphics.Color)	4284728319 (0xFF63C3FF)
YUV	173.1360, 40.3590, -65.0173
Hunter-Lab	69.9306, -13.3532, -37.3837

Details

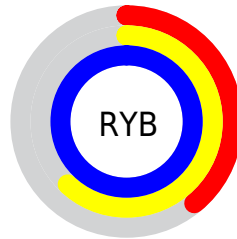
The Yxy color **48.9029, 0.2208, 0.2528** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.9452, 0.4628, 0.3888**, and the grayscale version is **41.6770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7914, 0.2604, 0.3244**, and **23.1721, 0.1984, 0.2321** is the 20% darker color. If you saturate the color by 10%, you get **43.4351, 0.2093, 0.2378**, and if you desaturate by 10%, it is **55.1107, 0.2340, 0.2675**.

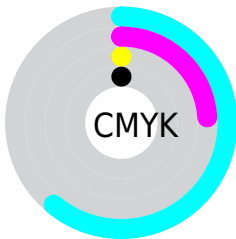
Distribution



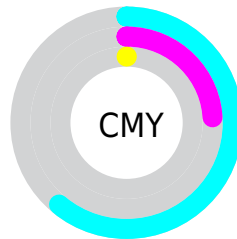
- Red (39%)
- Green (76%)
- Blue (100%)



- Red (39%)
- Yellow (62%)
- Blue (100%)



- Cyan (61%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9029, 0.2208, 0.2528 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 48.9029, 0.2208, 0.2528 by changing the saturation by 10% instead.


 48.9029, 0.2208,
0.2528


 48.9029, 0.2208,
0.2528


382.3599, 0.2643,
0.2901


 34.5425, 0.2108,
0.2439


 88.5472, 0.2360,
0.2660

 23.3106, 0.1986,
0.2329


 114.5999, 0.2419,
0.2711

 14.8231, 0.1832,
0.2188


 145.3188, 0.2469,
0.2754

 8.6953, 0.1635,
0.2002

181.0882, 0.2513,
0.2792

 4.5430, 0.1377,
0.1752

222.2927, 0.2552,
0.2824

 1.9817, 0.1038,
0.1407

269.3165, 0.2586,

 0.5968, 0.0454,

0.2853

0.0902

322.5441, 0.2616,
0.2878

0.0000, 0.0000,
0.0000

48.9029, 0.2208,
0.2528

48.9029, 0.2208,
0.2528

43.4351, 0.2093,
0.2378

55.1107, 0.2340,
0.2675

38.6601, 0.1998,
0.2227

62.1050, 0.2485,
0.2815

34.5180, 0.1924,
0.2079

69.9247, 0.2638,
0.2946

31.3156, 0.1875,
0.1951

78.6063, 0.2795,
0.3068

88.1835, 0.2953,
0.3179

98.6882, 0.3109,
0.3279

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.



48.9029, 0.2155, 0.2840



48.9029, 0.2208, 0.2528



48.9029, 0.2481, 0.2430

Triad

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



48.9029, 0.2208, 0.2528



48.9029, 0.3977, 0.3165



48.9029, 0.3237, 0.4230

Complementary

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



48.9029, 0.2208, 0.2528



46.9452, 0.4628, 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.



48.9029, 0.3751, 0.4248



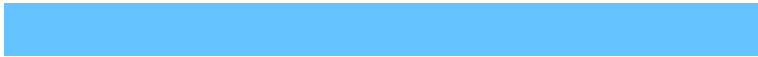
48.9029, 0.2208, 0.2528



48.9029, 0.4208, 0.3591

Square

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



48.9029, 0.2208, 0.2528



48.9029, 0.3495, 0.2789



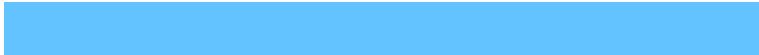
48.9029, 0.4115, 0.3988



48.9029, 0.2719, 0.3878

Rectangle

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



48.9029, 0.2208, 0.2528



48.9029, 0.2771, 0.2475



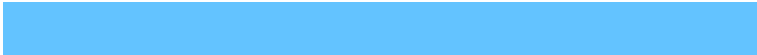
48.9029, 0.4115, 0.3988



48.9029, 0.3417, 0.4274

Sweetspot

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



48.9020, 0.2208, 0.2528



81.5613, 0.2845, 0.3104



76.6665, 0.2792, 0.4541



16.8795, 0.2799, 0.3071



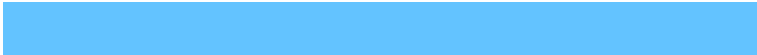
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



48.9020, 0.2208, 0.2528



42.5204, 0.2074, 0.2351



22.6337, 0.1977, 0.1513



19.2395, 0.2979, 0.3196



16.6611, 0.1882, 0.1975



1.8339, 0.1928, 0.2141

Inverse Universe

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



34.1180, 0.3832, 0.2354



28.9342, 0.4035, 0.2247



82.6108, 0.4091, 0.4585



18.1750, 0.3197, 0.3145



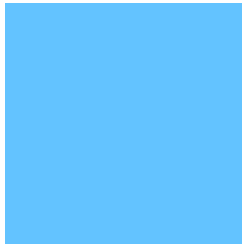
12.4099, 0.4481, 0.2242



1.2297, 0.4296, 0.2140

Previews

White Background



This preview shows how the Yxy color 48.9029, 0.2208, 0.2528 looks on a white background.

Color Contrast Check

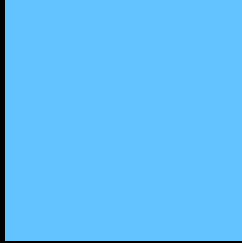
Large Text (above 18pt) WCAG AA × Fail

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 48.9029, 0.2208, 0.2528 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

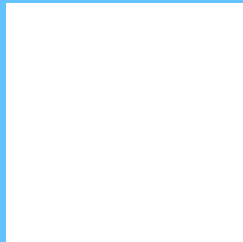
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9029, 0.2208, 0.2528

Background



This preview shows how black text looks on a background with the Yxy color 48.9029, 0.2208, 0.2528.



This preview shows how white text looks on a background with the Yxy color 48.9029, 0.2208, 0.2528.

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

48.9029, 0.2208, 0.2528

Protanopia

48.2640, 0.2580, 0.2533

Deuteranopia

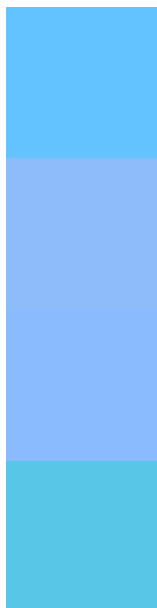
48.6640, 0.2487, 0.2437



Tritanopia

49.0969, 0.2326, 0.3065

Trichromacy



Original Color

48.9029, 0.2208, 0.2528

Protanomaly

48.1310, 0.2414, 0.2525

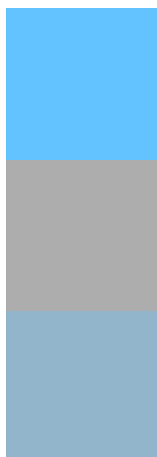
Deuteranomaly

48.1639, 0.2363, 0.2458

Tritanomaly

48.6911, 0.2280, 0.2856

Monochromacy



Original Color

48.9029, 0.2208, 0.2528

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.4705, 0.2692, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9029, 0.2208, 0.2528 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(99, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 195, 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(99, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 195, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.9029, 0.2208, 0.2528 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(99, 195, 255) }
```

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

```
.border{ border-color:rgb(99, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 195,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9029, 0.2208, 0.2528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 195, 255) }
```

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

```
.background{ background-color: rgb(99, 195,  
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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