

Converting Colors

$Y_{xy}(48.9275, 0.2244, 0.2532)$

Have a look what the booklet for
Yxy(48.9275, 0.2244, 0.2532)
contains.

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Color

Yxy(48.9275, 0.2244, 0.2532)

Conversions

Conversions Part 1

Format	Color
Hex	6CC2FE
RGB	108, 194, 254
RGB Percent	42%, 76%, 100%
CMY	0.5767, 0.2392, 0.0038
CMYK	0.58, 0.24, 0.00, 0.00
HSL	205°, 99%, 71%
HSV	205°, 58%, 100%
XYZ	43.3623, 48.9275, 100.9468
YIQ	175.1260, -70.5160, 0.4280

Conversions

Conversions Part 2

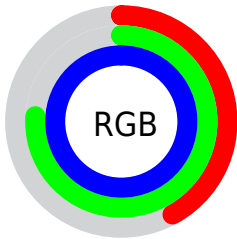
Format	Color
R _Y B	108, 162, 254
Decimal	7127806
CIE Lab	75.41, -9.08, -37.42
CIE LCh	75, 38.507, 256.360
Yxy	48.9275, 0.2244, 0.2532
Android (android.graphics.Color)	4285317886 (0xFF6CC2FE)
YUV	175.1260, 38.8849, -58.8695
Hunter-Lab	69.9482, -11.7536, -36.6015

Details

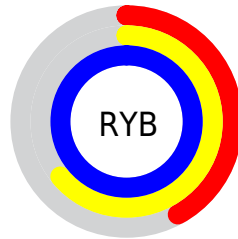
The Yxy color **48.9275, 0.2244, 0.2532** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.1449, 0.4480, 0.3901**, and the grayscale version is **42.7541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0262, 0.2640, 0.3234**, and **23.4560, 0.2032, 0.2344** is the 20% darker color. If you saturate the color by 10%, you get **43.0793, 0.2118, 0.2372**, and if you desaturate by 10%, it is **55.5692, 0.2385, 0.2687**.

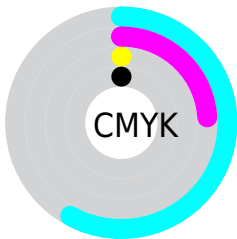
Distribution



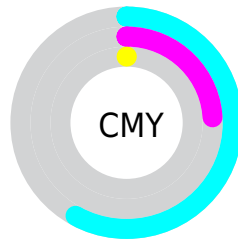
- Red (42%)
- Green (76%)
- Blue (100%)



- Red (42%)
- Yellow (64%)
- Blue (100%)



- Cyan (58%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9275, 0.2244, 0.2532 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 48.9275, 0.2244, 0.2532 by changing the saturation by 10% instead.


 48.9275, 0.2244,
0.2532

 48.9275, 0.2244,
0.2532


382.4568, 0.2663,
0.2902


 34.5620, 0.2148,
0.2444


 88.5838, 0.2390,
0.2663

 23.3257, 0.2029,
0.2335


 114.6433, 0.2447,
0.2714

 14.8342, 0.1879,
0.2195


 145.3696, 0.2496,
0.2756

 8.7031, 0.1687,
0.2012

181.1471, 0.2538,
0.2794

 4.5480, 0.1434,
0.1764

222.3602, 0.2575,
0.2826

 1.9846, 0.1097,
0.1421

269.3932, 0.2608,

 0.5985, 0.0531,

0.2854

0.0916

322.6307, 0.2637,
0.2879

0.0000, 0.0000,
0.0000

48.9275, 0.2244,
0.2532

48.9275, 0.2244,
0.2532

43.0793, 0.2118,
0.2372

55.5692, 0.2385,
0.2687

37.9710, 0.2011,
0.2210

63.0423, 0.2536,
0.2834

33.5487, 0.1926,
0.2050

71.3875, 0.2693,
0.2971

29.7411, 0.1863,
0.1895

80.6413, 0.2853,
0.3097

28.8644, 0.1849,
0.1857

90.8374, 0.3011,
0.3212

99.9375, 0.3133,
0.3299

Harmonies

Analogous

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



48.9275, 0.2174, 0.2821



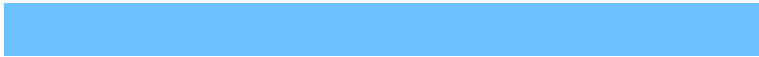
48.9275, 0.2244, 0.2532



48.9275, 0.2528, 0.2451

Triad

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



48.9275, 0.2244, 0.2532



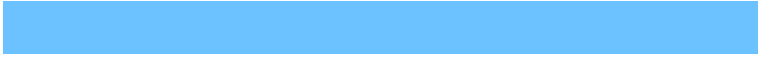
48.9275, 0.3983, 0.3202



48.9275, 0.3193, 0.4187

Complementary

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



48.9275, 0.2244, 0.2532



50.1449, 0.4480, 0.3901

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.



48.9275, 0.3700, 0.4233



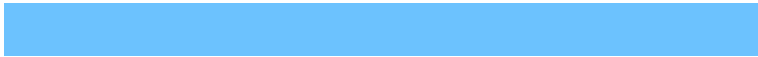
48.9275, 0.2244, 0.2532



48.9275, 0.4183, 0.3619

Square

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



48.9275, 0.2244, 0.2532



48.9275, 0.3529, 0.2828



48.9275, 0.4070, 0.3999



48.9275, 0.2693, 0.3823

Rectangle

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



48.9275, 0.2244, 0.2532



48.9275, 0.2819, 0.2505



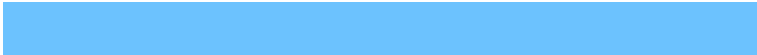
48.9275, 0.4070, 0.3999



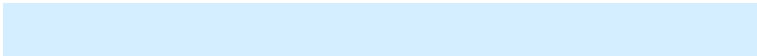
48.9275, 0.3369, 0.4239

Sweetspot

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



48.9293, 0.2244, 0.2532



81.8441, 0.2861, 0.3104



76.8520, 0.2791, 0.4419



17.0984, 0.2829, 0.3079



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.



48.9293, 0.2244, 0.2532



42.6344, 0.2101, 0.2348



24.3943, 0.2041, 0.1601



19.1568, 0.2979, 0.3190



15.5117, 0.1856, 0.1882



1.7256, 0.1905, 0.2058

Inverse Universe

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



35.6827, 0.3817, 0.2433



30.2663, 0.4026, 0.2319



84.1356, 0.4027, 0.4543



18.1667, 0.3201, 0.3151



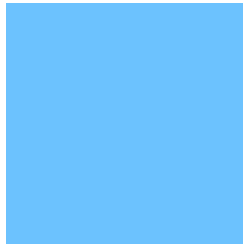
12.2939, 0.4589, 0.2302



1.2187, 0.4388, 0.2191

Previews

White Background



This preview shows how the Yxy color 48.9275, 0.2244, 0.2532 looks on a white background.

Color Contrast Check

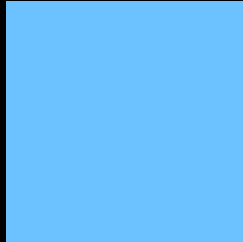
Large Text (above 18pt) WCAG AA × Fail

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 48.9275, 0.2244, 0.2532 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

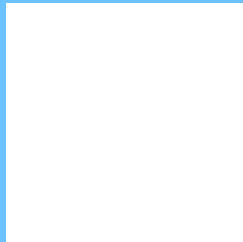
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9275, 0.2244, 0.2532

Background



This preview shows how black text looks on a background with the Yxy color 48.9275, 0.2244, 0.2532.

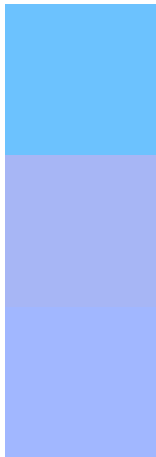


This preview shows how white text looks on a background with the Yxy color 48.9275, 0.2244, 0.2532.

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

48.9275, 0.2244, 0.2532

Protanopia

48.2640, 0.2580, 0.2533

Deuteranopia

48.6640, 0.2487, 0.2437



Tritanopia

49.1102, 0.2368, 0.3066

Trichromacy



Original Color

48.9275, 0.2244, 0.2532

Protanomaly

48.0061, 0.2440, 0.2527

Deuteranomaly

48.5114, 0.2385, 0.2463

Tritanomaly

48.6980, 0.2319, 0.2858

Monochromacy



Original Color

48.9275, 0.2244, 0.2532

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.3948, 0.2723, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9275, 0.2244, 0.2532 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(108, 194, 254)` looks like.

```
.text, #text, p{  
    color:rgb(108, 194, 254)  
}
```

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(108, 194, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 194, 254) }
```

Border

The CSS property to change the border of an element to Yxy 48.9275, 0.2244, 0.2532 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(108, 194, 254) }
```

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

```
.border{ border-color:rgb(108, 194, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 194, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 194, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 194, 254);  
box-shadow:4px 4px 4px 4px rgb(108, 194,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9275, 0.2244, 0.2532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 194, 254) }
```

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

```
.background{ background-color: rgb(108,  
194, 254) }
```

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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