

Converting Colors

$Yxy(48.1455, 0.2194, 0.2570)$

Have a look what the booklet for
Yxy(48.1455, 0.2194, 0.2570)
contains.

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Color

Yxy(48.1689, 0.2192, 0.2566)

Conversions

Conversions Part 1

Format	Color
Hex	5AC3FB
RGB	90, 195, 251
RGB Percent	35%, 76%, 98%
CMY	0.6469, 0.2353, 0.0156
CMYK	0.64, 0.22, 0.00, 0.02
HSL	201°, 95%, 67%
HSV	201°, 64%, 98%
XYZ	41.1482, 48.1689, 98.4027
YIQ	169.9890, -80.5560, -4.8440

Conversions

Conversions Part 2

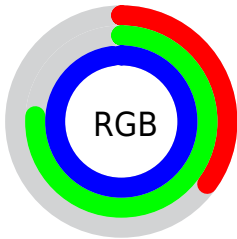
Format	Color
R_{YB}	90, 154, 251
Decimal	5948411
CIE _{Lab}	74.93, -13.70, -36.59
CIE _{LCh}	75, 39.068, 249.472
Yxy	48.1689, 0.2192, 0.2566
Android (android.graphics.Color)	4284138491 (0xFF5AC3FB)
YUV	169.9890, 39.9384, -70.1504
Hunter-Lab	69.4038, -15.6275, -35.4804

Details

The Yxy color **48.1689, 0.2192, 0.2566** 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 **41.8273, 0.4774, 0.3845**, and the grayscale version is **40.0272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7108, 0.2574, 0.3255**, and **22.9448, 0.1993, 0.2374** is the 20% darker color. If you saturate the color by 10%, you get **43.3160, 0.2088, 0.2431**, and if you desaturate by 10%, it is **53.6791, 0.2314, 0.2698**.

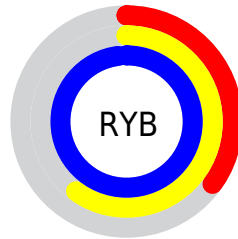
Distribution



Red (35%)

Green (76%)

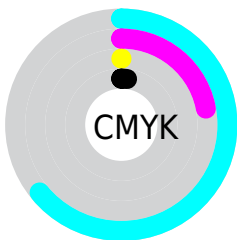
Blue (98%)



Red (35%)

Yellow (60%)

Blue (98%)

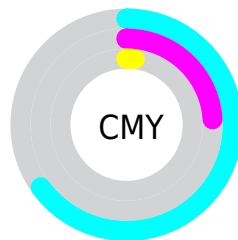


Cyan (64%)

Magenta (22%)

Yellow (0%)

Black (2%)



Cyan (65%)


Magenta (24%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1689, 0.2192, 0.2566 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 48.1689, 0.2192, 0.2566 by changing the saturation by 10% instead.


 48.1689, 0.2192,
0.2566


 48.1689, 0.2192,
0.2566


379.4612, 0.2635,
0.2924


 33.9607, 0.2090,
0.2480


 87.4558, 0.2347,
0.2694


 22.8634, 0.1965,
0.2372


 113.3033, 0.2407,
0.2743

 14.4927, 0.1807,
0.2233


 143.7993, 0.2458,
0.2784

 8.4641, 0.1606,
0.2050

 179.3283, 0.2503,
0.2820

 4.3933, 0.1342,
0.1799

220.2745, 0.2542,
0.2851

 1.8959, 0.0994,
0.1448

267.0225, 0.2577,

 0.5459, 0.0310,

0.2878

0.0917

319.9566, 0.2608,
0.2903

0.0000, 0.0000,
0.0000

48.1689, 0.2192,
0.2566

48.1689, 0.2192,
0.2566

43.3160, 0.2088,
0.2431

53.6791, 0.2314,
0.2698

39.0666, 0.2004,
0.2295

59.8837, 0.2451,
0.2826

35.3637, 0.1942,
0.2162

66.8224, 0.2598,
0.2946

33.3951, 0.1913,
0.2085

74.5298, 0.2751,
0.3058

83.0378, 0.2907,
0.3161

 92.3764, 0.3063,
0.3254

 99.7457, 0.3150,
0.3328

Harmonies

Analogous

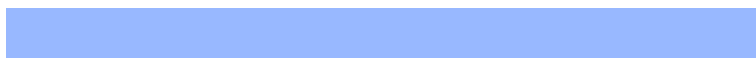
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.1689, 0.2173, 0.2907



48.1689, 0.2192, 0.2566



48.1689, 0.2432, 0.2437

Triad

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



48.1689, 0.2192, 0.2566



48.1689, 0.3911, 0.3106



48.1689, 0.3317, 0.4247

Complementary

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



48.1689, 0.2192, 0.2566



41.8273, 0.4774, 0.3845

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.



48.1689, 0.3814, 0.4217



48.1689, 0.2192, 0.2566



48.1689, 0.4186, 0.3526

Square

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



48.1689, 0.2192, 0.2566



48.1689, 0.3411, 0.2746



48.1689, 0.4141, 0.3930



48.1689, 0.2793, 0.3943

Rectangle

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



48.1689, 0.2192, 0.2566



48.1689, 0.2703, 0.2463



48.1689, 0.4141, 0.3930



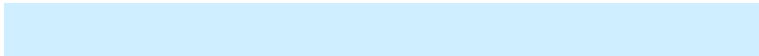
48.1689, 0.3493, 0.4273

Sweetspot

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



48.1706, 0.2192, 0.2566



81.6511, 0.2831, 0.3112



73.1812, 0.2821, 0.4721



16.9433, 0.2786, 0.3082



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.



48.1706, 0.2192, 0.2566



43.5406, 0.2061, 0.2391



21.8357, 0.1945, 0.1518



18.5322, 0.2980, 0.3205



17.8354, 0.1919, 0.2107



1.8501, 0.1963, 0.2265

Inverse Universe

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



31.7718, 0.3806, 0.2269



27.9259, 0.4005, 0.2162



74.6599, 0.4180, 0.4567



17.4159, 0.3192, 0.3137



12.2114, 0.4333, 0.2161



1.1510, 0.4163, 0.2067

Previews

White Background



This preview shows how the Yxy color 48.1689, 0.2192, 0.2566 looks on a white background.

Color Contrast Check

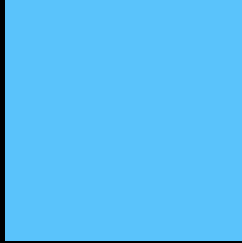
Large Text (above 18pt) WCAG AA × Fail

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 48.1689, 0.2192, 0.2566 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

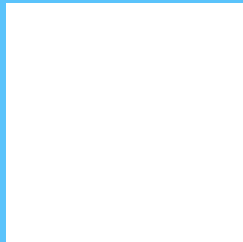
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1689, 0.2192, 0.2566

Background



This preview shows how black text looks on a background with the Yxy color 48.1689, 0.2192, 0.2566.



This preview shows how white text looks on a background with the Yxy color 48.1689, 0.2192, 0.2566.

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

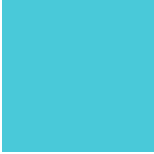
48.1689, 0.2192, 0.2566

Protanopia

47.5545, 0.2607, 0.2573

Deuteranopia

47.6771, 0.2483, 0.2420



Tritanopia

48.1995, 0.2297, 0.3062

Trichromacy



Original Color

48.1689, 0.2192, 0.2566

Protanomaly

47.1384, 0.2420, 0.2562

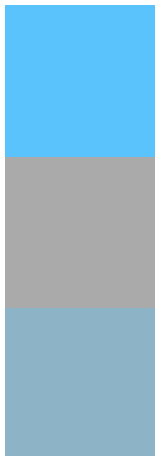
Deuteranomaly

47.3606, 0.2354, 0.2463

Tritanomaly

48.1663, 0.2258, 0.2877

Monochromacy



Original Color

48.1689, 0.2192, 0.2566

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.0264, 0.2680, 0.3010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1689, 0.2192, 0.2566 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(90, 195, 251)` looks like.

```
.text, #text, p{  
    color:rgb(90, 195, 251)  
}
```

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(90, 195, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 195, 251) }
```

Border

The CSS property to change the border of an element to Yxy 48.1689, 0.2192, 0.2566 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(90, 195, 251) }
```

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

```
.border{ border-color:rgb(90, 195, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 195, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 195, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 195, 251);  
box-shadow:4px 4px 4px 4px rgb(90, 195,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1689, 0.2192, 0.2566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 195, 251) }
```

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

```
.background{ background-color: rgb(90, 195,  
251) }
```

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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