

Converting Colors

$Y_{xy}(48.2260, 0.2133, 0.2572)$

Have a look what the booklet for
Yxy(48.2260, 0.2133, 0.2572)
contains.

Yxy(48.2260, 0.2133, 0.2572)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.2260, 0.2133, 0.2572)

Conversions

Conversions Part 1

Format	Color
Hex	45C5FC
RGB	69, 197, 252
RGB Percent	27%, 77%, 99%
CMY	0.7290, 0.2275, 0.0118
CMYK	0.73, 0.22, 0.00, 0.01
HSL	198°, 97%, 63%
HSV	198°, 73%, 99%
XYZ	39.9946, 48.2260, 99.2833
YIQ	164.9980, -93.9430, -10.0310

Conversions

Conversions Part 2

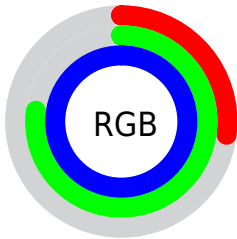
Format	Color
R _Y B	69, 144, 252
Decimal	4572668
CIE Lab	74.97, -17.42, -37.10
CIE LCh	75, 40.988, 244.845
Yxy	48.2260, 0.2133, 0.2572
Android (android.graphics.Color)	4282762748 (0xFF45C5FC)
YUV	164.9980, 42.8920, -84.1902
Hunter-Lab	69.4449, -18.7273, -36.1536

Details

The Yxy color **48.2260, 0.2133, 0.2572** 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 **35.5651, 0.5155, 0.3785**, and the grayscale version is **37.4653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5926, 0.2514, 0.3277**, and **23.5851, 0.1999, 0.2397** is the 20% darker color. If you saturate the color by 10%, you get **44.1369, 0.2053, 0.2456**, and if you desaturate by 10%, it is **52.8826, 0.2233, 0.2687**.

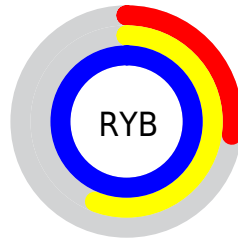
Distribution



Red (27%)

Green (77%)

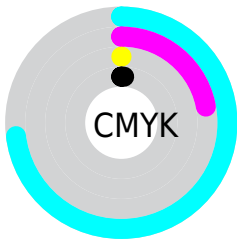
Blue (99%)



Red (27%)

Yellow (56%)

Blue (99%)

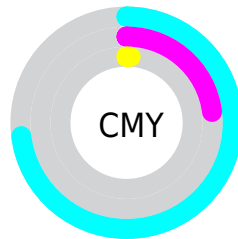


Cyan (73%)

Magenta (22%)

Yellow (0%)

Black (1%)



Cyan (73%)


Magenta (23%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2260, 0.2133, 0.2572 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 48.2260, 0.2133, 0.2572 by changing the saturation by 10% instead.


 48.2260, 0.2133,
0.2572


 48.2260, 0.2133,
0.2572


379.6872, 0.2602,
0.2930

 34.0059, 0.2026,
0.2486


 87.5408, 0.2296,
0.2700

 22.8981, 0.1895,
0.2377


 113.4043, 0.2360,
0.2749

 14.5183, 0.1731,
0.2237


 143.9177, 0.2414,
0.2790

 8.4820, 0.1522,
0.2052

 179.4654, 0.2462,
0.2826

 4.4049, 0.1252,
0.1799

220.4318, 0.2503,
0.2857

 1.9025, 0.0902,
0.1444

267.2013, 0.2540,

 0.5499, 0.0162,

0.2884

0.0917

320.1583, 0.2573,
0.2908

0.0000, 0.0000,
0.0000

48.2260, 0.2133,
0.2572

48.2260, 0.2133,
0.2572

44.1369, 0.2053,
0.2456

52.8826, 0.2233,
0.2687

40.5543, 0.1994,
0.2342

58.1480, 0.2351,
0.2799

38.1620, 0.1961,
0.2258

64.0646, 0.2483,
0.2907

70.6685, 0.2627,
0.3009

77.9931, 0.2777,
0.3104

■ 86.0689, 0.2932,
0.3192

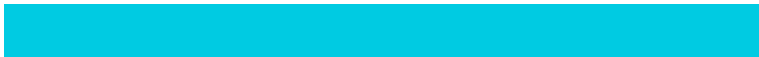
■ 94.9247, 0.3087,
0.3271

■ 99.8074, 0.3145,
0.3319

Harmonies

Analogous

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



48.2260, 0.2149, 0.2959



48.2260, 0.2133, 0.2572



48.2260, 0.2348, 0.2406

Triad

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



48.2260, 0.2133, 0.2572



48.2260, 0.3880, 0.3032



48.2260, 0.3409, 0.4314

Complementary

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



48.2260, 0.2133, 0.2572



35.5651, 0.5155, 0.3785

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.



48.2260, 0.3912, 0.4227



48.2260, 0.2133, 0.2572



48.2260, 0.4214, 0.3464

Square

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



48.2260, 0.2133, 0.2572



48.2260, 0.3333, 0.2674



48.2260, 0.4218, 0.3895



48.2260, 0.2856, 0.4048

Rectangle

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



48.2260, 0.2133, 0.2572



48.2260, 0.2610, 0.2414



48.2260, 0.4218, 0.3895



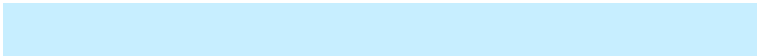
48.2260, 0.3590, 0.4321

Sweetspot

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



48.2277, 0.2133, 0.2572



80.5737, 0.2786, 0.3110



72.3359, 0.2838, 0.5020



16.7905, 0.2744, 0.3085



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.



48.2277, 0.2133, 0.2572



43.6363, 0.2024, 0.2405



18.5407, 0.1822, 0.1343



18.6757, 0.2980, 0.3217



20.1523, 0.1966, 0.2277



2.0521, 0.2004, 0.2413

Inverse Universe

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



28.9941, 0.3821, 0.2116



25.9994, 0.4008, 0.2048



69.9346, 0.4339, 0.4624



17.4304, 0.3184, 0.3126



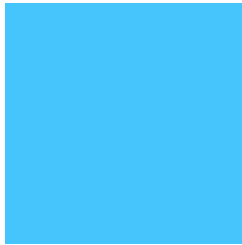
12.4453, 0.4150, 0.2060



1.1714, 0.4010, 0.1983

Previews

White Background



This preview shows how the Yxy color 48.2260, 0.2133, 0.2572 looks on a white background.

Color Contrast Check

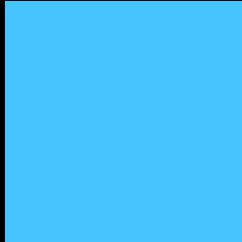
Large Text (above 18pt) WCAG AA × Fail

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 48.2260, 0.2133, 0.2572 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

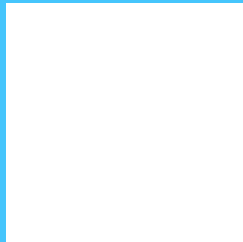
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2260, 0.2133, 0.2572

Background



This preview shows how black text looks on a background with the Yxy color 48.2260, 0.2133, 0.2572.



This preview shows how white text looks on a background with the Yxy color 48.2260, 0.2133, 0.2572.

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

48.2260, 0.2133, 0.2572

Protanopia

47.5545, 0.2607, 0.2573

Deuteranopia

47.6387, 0.2472, 0.2409



Tritanopia

48.3186, 0.2223, 0.3060

Trichromacy



Original Color

48.2260, 0.2133, 0.2572

Protanomaly

46.8976, 0.2379, 0.2567

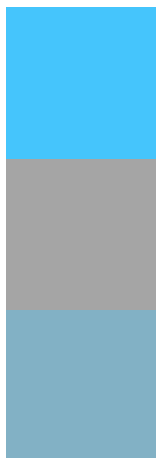
Deuteranomaly

47.1320, 0.2306, 0.2456

Tritanomaly

48.2729, 0.2186, 0.2874

Monochromacy



Original Color

48.2260, 0.2133, 0.2572

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

40.2213, 0.2613, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2260, 0.2133, 0.2572 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(69, 197, 252)` looks like.

```
.text, #text, p{  
    color:rgb(69, 197, 252)  
}
```

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(69, 197, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 197, 252) }
```

Border

The CSS property to change the border of an element to Yxy 48.2260, 0.2133, 0.2572 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(69, 197, 252) }
```

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

```
.border{ border-color:rgb(69, 197, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 197, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 197, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 197, 252);  
box-shadow:4px 4px 4px 4px rgb(69, 197,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2260, 0.2133, 0.2572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 197, 252) }
```

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

```
.background{ background-color: rgb(69, 197,  
252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor