

Converting Colors

$Yxy(47.3682, 0.2029, 0.2211)$

Have a look what the booklet for
Yxy(47.3682, 0.2029, 0.2211)
contains.

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Color

Yxy(45.8593, 0.2109, 0.2458)

Conversions

Conversions Part 1

Format	Color
Hex	48BFFF
RGB	72, 191, 255
RGB Percent	28%, 75%, 100%
CMY	0.7177, 0.2509, 0.0001
CMYK	0.72, 0.25, 0.00, 0.00
HSL	201°, 100%, 64%
HSV	201°, 72%, 100%
XYZ	39.3480, 45.8593, 101.3644
YIQ	162.7150, -91.4680, -5.3240

Conversions

Conversions Part 2

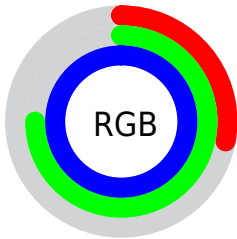
Format	Color
R _Y B	72, 144, 255
Decimal	4767743
CIE Lab	73.45, -12.93, -41.05
CIE LCh	73, 43.043, 252.517
Yxy	45.8593, 0.2109, 0.2458
Android (android.graphics.Color)	4282957823 (0xFF48BFFF)
YUV	162.7150, 45.4965, -79.5571
Hunter-Lab	67.7195, -14.7929, -41.3432

Details

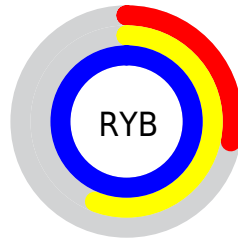
The Yxy color **45.8593, 0.2109, 0.2458** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **39.3148, 0.5043, 0.3872**, and the grayscale version is **36.2961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4042, 0.2508, 0.3197**, and **22.2542, 0.1963, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **41.3060, 0.2020, 0.2322**, and if you desaturate by 10%, it is **51.0582, 0.2218, 0.2594**.

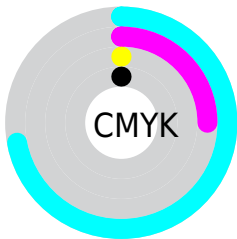
Distribution



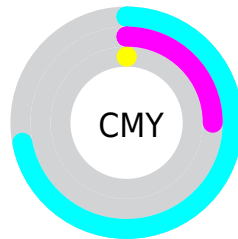
- Red (28%)
- Green (75%)
- Blue (100%)



- Red (28%)
- Yellow (56%)
- Blue (100%)



- Cyan (72%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8593, 0.2109, 0.2458 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 45.8593, 0.2109, 0.2458 by changing the saturation by 10% instead.

45.8593, 0.2109,
0.2458

45.8593, 0.2109,
0.2458

370.2427, 0.2592,
0.2869

32.1348, 0.1998,
0.2360

84.0084, 0.2277,
0.2604

21.4645, 0.1863,
0.2238

109.2018, 0.2343,
0.2660

13.4639, 0.1694,
0.2081

138.9869, 0.2399,
0.2708

7.7488, 0.1478,
0.1877

173.7482, 0.2448,
0.2749

3.9346, 0.1202,
0.1603

213.8700, 0.2491,
0.2785

1.6371, 0.0847,
0.1230

259.7368, 0.2528,

0.3824, 0.0079,

0.2816

0.0629

311.7329, 0.2562,
0.2844

0.0000, 0.0000,
0.0000

45.8593, 0.2109,
0.2458

45.8593, 0.2109,
0.2458

41.3060, 0.2020,
0.2322

51.0582, 0.2218,
0.2594

37.3356, 0.1953,
0.2187

56.9469, 0.2344,
0.2726

34.4368, 0.1911,
0.2079

63.5696, 0.2484,
0.2852

70.9651, 0.2633,
0.2972

79.1686, 0.2787,
0.3082

■ 88.2128, 0.2944,
0.3183

■ 98.1285, 0.3100,
0.3275

■ 99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



45.8593, 0.2062, 0.2807



45.8593, 0.2109, 0.2458



45.8593, 0.2395, 0.2345

Triad

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



45.8593, 0.2109, 0.2458



45.8593, 0.4052, 0.3126



45.8593, 0.3270, 0.4354

Complementary

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



45.8593, 0.2109, 0.2458



39.3148, 0.5043, 0.3872

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.



45.8593, 0.3836, 0.4343



45.8593, 0.2109, 0.2458



45.8593, 0.4324, 0.3589

Square

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



45.8593, 0.2109, 0.2458



45.8593, 0.3505, 0.2722



45.8593, 0.4232, 0.4033



45.8593, 0.2696, 0.3976

Rectangle

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



45.8593, 0.2109, 0.2458



45.8593, 0.2705, 0.2390



45.8593, 0.4232, 0.4033



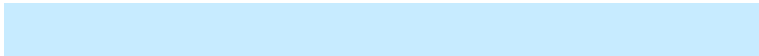
45.8593, 0.3468, 0.4393

Sweetspot

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



45.8609, 0.2109, 0.2458



78.9891, 0.2784, 0.3080



74.5741, 0.2814, 0.4921



16.4143, 0.2741, 0.3051



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.



45.8609, 0.2109, 0.2458



39.5681, 0.1989, 0.2264



18.1916, 0.1817, 0.1295



19.3500, 0.2980, 0.3205



18.2884, 0.1917, 0.2101



1.9857, 0.1959, 0.2252

Inverse Universe

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



29.6489, 0.3927, 0.2199



25.7319, 0.4151, 0.2139



75.2904, 0.4284, 0.4662



18.1862, 0.3192, 0.3137



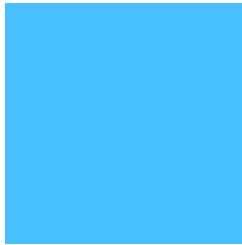
12.5742, 0.4340, 0.2165



1.2450, 0.4177, 0.2075

Previews

White Background



This preview shows how the Yxy color 45.8593, 0.2109, 0.2458 looks on a white background.

Color Contrast Check

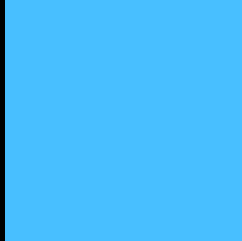
Large Text (above 18pt) WCAG AA × Fail

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 45.8593, 0.2109, 0.2458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

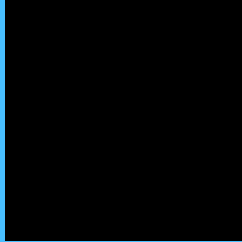
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

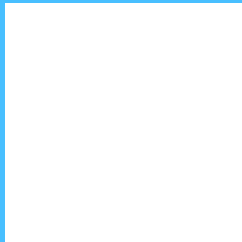
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8593, 0.2109, 0.2458

Background



This preview shows how black text looks on a background with the Yxy color 45.8593, 0.2109, 0.2458.



This preview shows how white text looks on a background with the Yxy color 45.8593, 0.2109, 0.2458.

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

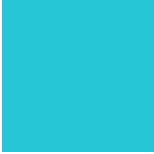
45.8593, 0.2109, 0.2458

Protanopia

45.4495, 0.2531, 0.2471

Deuteranopia

45.5448, 0.2411, 0.2359



Tritanopia

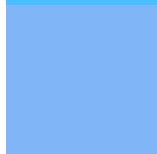
45.7258, 0.2214, 0.3041

Trichromacy



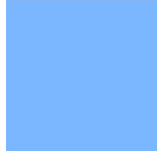
Original Color

45.8593, 0.2109, 0.2458



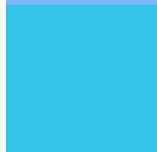
Protanomaly

44.8224, 0.2331, 0.2455



Deuteranomaly

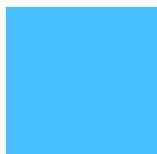
45.2245, 0.2272, 0.2389



Tritanomaly

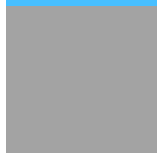
45.4472, 0.2165, 0.2799

Monochromacy



Original Color

45.8593, 0.2109, 0.2458



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

38.6185, 0.2612, 0.2957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8593, 0.2109, 0.2458 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(72, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(72, 191, 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(72, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 191, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.8593, 0.2109, 0.2458 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(72, 191, 255) }
```

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

```
.border{ border-color:rgb(72, 191, 255) }
```

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

Here you see how a box with a 4 pixel rgb(72, 191, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(72, 191,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8593, 0.2109, 0.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 191, 255) }
```

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

```
.background{ background-color: rgb(72, 191,  
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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