

Converting Colors

$Y_{xy}(46.9616, 0.2245, 0.2616)$

Have a look what the booklet for
Yxy(46.9616, 0.2245, 0.2616)
contains.

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Color

Yxy(46.8836, 0.2244, 0.2609)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 63C0F4 |
| RGB | 99, 192, 244 |
| RGB Percent | 39%, 75%, 96% |
| CMY | 0.6116, 0.2471, 0.0432 |
| CMYK | 0.59, 0.21, 0.00, 0.04 |
| HSL | 202°, 87%, 67% |
| HSV | 202°, 59%, 96% |
| XYZ | 40.3246, 46.8836, 92.4913 |
| YIQ | 170.1210, -72.1200, -3.5440 |

Conversions

Conversions Part 2

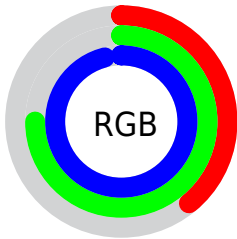
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 99, 156, 244 |
| Decimal | 6537460 |
| CIE Lab | 74.12, -12.72, -34.04 |
| CIE LCh | 74, 36.342, 249.508 |
| Yxy | 46.8836, 0.2244, 0.2609 |
| Android (android.graphics.Color) | 4284727540 (0xFF63C0F4) |
| YUV | 170.1210, 36.4223, -62.3731 |
| Hunter-Lab | 68.4716, -14.7024, -32.1587 |

Details

The Yxy color **46.8836, 0.2244, 0.2609** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.2710, 0.4594, 0.3836**, and the grayscale version is **40.1101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8284, 0.2594, 0.3211**, and **22.2247, 0.2025, 0.2424** is the 20% darker color. If you saturate the color by 10%, you get **41.9828, 0.2129, 0.2471**, and if you desaturate by 10%, it is **52.4312, 0.2375, 0.2743**.

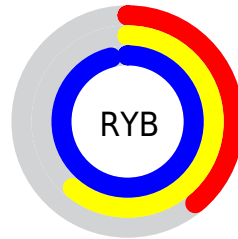
Distribution



Red (39%)

Green (75%)

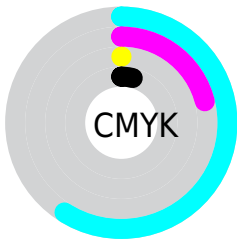
Blue (96%)



Red (39%)

Yellow (61%)

Blue (96%)

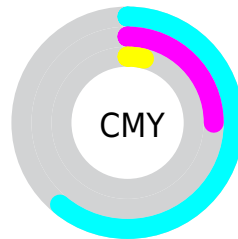


Cyan (59%)

Magenta (21%)

Yellow (0%)

Black (4%)



Cyan (61%)

Magenta (25%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8836, 0.2244, 0.2609 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 46.8836, 0.2244, 0.2609 by changing the saturation by 10% instead.

■ 46.8836, 0.2244,
0.2609

■ 46.8836, 0.2244,
0.2609

■ 374.3497, 0.2667,
0.2948

■ 32.9436, 0.2146,
0.2527

■ 85.5398, 0.2392,
0.2731

■ 22.0833, 0.2024,
0.2423

■ 111.0249, 0.2450,
0.2777

■ 13.9181, 0.1870,
0.2288

■ 141.1272, 0.2499,
0.2816

■ 8.0637, 0.1671,
0.2109

■ 176.2310, 0.2541,
0.2850

■ 4.1358, 0.1406,
0.1861

■ 216.7208, 0.2578,
0.2879

■ 1.7498, 0.1051,
0.1506

■ 262.9809, 0.2611,

■ 0.4556, 0.0245,

0.2905

0.0912

315.3957, 0.2640,
0.2928

0.0000, 0.0000,
0.0000

46.8836, 0.2244,
0.2609

46.8836, 0.2244,
0.2609

41.9828, 0.2129,
0.2471

52.4312, 0.2375,
0.2743

37.6812, 0.2034,
0.2331

58.6582, 0.2518,
0.2872

33.9304, 0.1960,
0.2192

65.6005, 0.2669,
0.2992

30.6545, 0.1906,
0.2057

73.2895, 0.2825,
0.3103

30.4684, 0.1903,
0.2049

81.7543, 0.2981,
0.3204

91.0224, 0.3136,
0.3295

98.1973, 0.3192,
0.3379

99.3101, 0.3191,
0.3396

Harmonies

Analogous

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



46.8836, 0.2226, 0.2933



46.8836, 0.2244, 0.2609



46.8836, 0.2473, 0.2485

Triad

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



46.8836, 0.2244, 0.2609



46.8836, 0.3863, 0.3119



46.8836, 0.3308, 0.4184

Complementary

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



46.8836, 0.2244, 0.2609



42.2710, 0.4594, 0.3836

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.



46.8836, 0.3775, 0.4162



46.8836, 0.2244, 0.2609



46.8836, 0.4121, 0.3517

Square

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



46.8836, 0.2244, 0.2609



46.8836, 0.3395, 0.2776



46.8836, 0.4081, 0.3898



46.8836, 0.2815, 0.3899

Rectangle

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



46.8836, 0.2244, 0.2609



46.8836, 0.2729, 0.2509



46.8836, 0.4081, 0.3898



46.8836, 0.3474, 0.4210

Sweetspot

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



46.8853, 0.2244, 0.2609



82.2534, 0.2846, 0.3117



69.5365, 0.2820, 0.4562



17.0489, 0.2800, 0.3086



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.



46.8853, 0.2244, 0.2609



45.5316, 0.2111, 0.2446



22.8088, 0.2027, 0.1634



17.6997, 0.2980, 0.3203



16.8387, 0.1909, 0.2070



1.6740, 0.1956, 0.2240

Inverse Universe

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



31.9674, 0.3754, 0.2340



29.8717, 0.3937, 0.2219



72.4985, 0.4094, 0.4515



16.6615, 0.3193, 0.3139



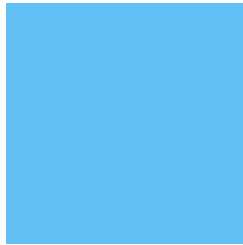
11.7993, 0.4374, 0.2183



1.0566, 0.4189, 0.2081

Previews

White Background



This preview shows how the Yxy color 46.8836, 0.2244, 0.2609 looks on a white background.

Color Contrast Check

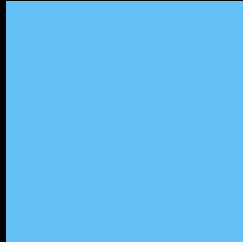
Large Text (above 18pt) WCAG AA × Fail

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 46.8836, 0.2244, 0.2609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

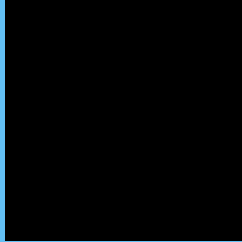
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

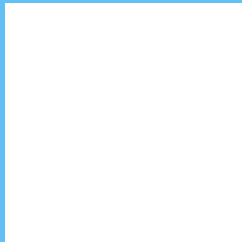
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8836, 0.2244, 0.2609

Background



This preview shows how black text looks on a background with the Yxy color 46.8836, 0.2244, 0.2609.



This preview shows how white text looks on a background with the Yxy color 46.8836, 0.2244, 0.2609.

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

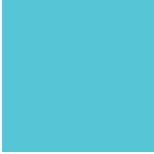
46.8836, 0.2244, 0.2609

Protanopia

46.3962, 0.2641, 0.2612

Deuteranopia

46.5327, 0.2524, 0.2467



Tritanopia

46.7150, 0.2347, 0.3061

Trichromacy



Original Color

46.8836, 0.2244, 0.2609

Protanomaly

46.2048, 0.2464, 0.2604

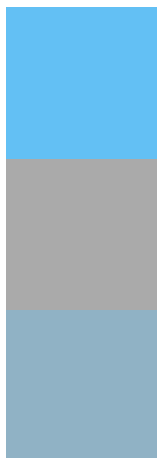
Deuteranomaly

46.3381, 0.2400, 0.2513

Tritanomaly

46.6362, 0.2309, 0.2888

Monochromacy



Original Color

46.8836, 0.2244, 0.2609

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.8013, 0.2713, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8836, 0.2244, 0.2609 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, 192, 244)` looks like.

```
.text, #text, p{  
    color:rgb(99, 192, 244)  
}
```

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, 192, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 192, 244) }
```

Border

The CSS property to change the border of an element to Yxy 46.8836, 0.2244, 0.2609 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, 192, 244) }
```

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

```
.border{ border-color:rgb(99, 192, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 192, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 192, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 192, 244);  
box-shadow:4px 4px 4px 4px rgb(99, 192,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8836, 0.2244, 0.2609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 192, 244) }
```

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

```
.background{ background-color: rgb(99, 192,  
244) }
```

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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