

Converting Colors

$Y_{xy}(49.7359, 0.2292, 0.2705)$

Have a look what the booklet for
Yxy(49.7359, 0.2292, 0.2705)
contains.

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Color

Yxy(49.8625, 0.2290, 0.2706)

Conversions

Conversions Part 1

Format	Color
Hex	69C6F3
RGB	105, 198, 243
RGB Percent	41%, 78%, 95%
CMY	0.5883, 0.2235, 0.0470
CMYK	0.57, 0.19, 0.00, 0.05
HSL	200°, 85%, 68%
HSV	200°, 57%, 95%
XYZ	42.1970, 49.8625, 92.2069
YIQ	175.3230, -69.8730, -5.7210

Conversions

Conversions Part 2

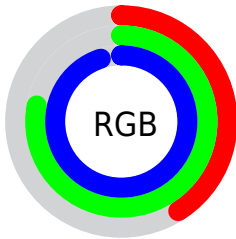
Format	Color
R _Y B	105, 161, 243
Decimal	6932211
CIE Lab	75.98, -15.05, -30.62
CIE LCh	76, 34.124, 243.823
Yxy	49.8625, 0.2290, 0.2706
Android (android.graphics.Color)	4285122291 (0xFF69C6F3)
YUV	175.3230, 33.3648, -61.6733
Hunter-Lab	70.6134, -16.9057, -27.9915

Details

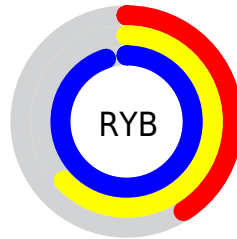
The Yxy color **49.8625, 0.2290, 0.2706** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.8875, 0.4539, 0.3770**, and the grayscale version is **42.8954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **23.8577, 0.2082, 0.2538** is the 20% darker color. If you saturate the color by 10%, you get **45.0688, 0.2176, 0.2582**, and if you desaturate by 10%, it is **55.2697, 0.2420, 0.2826**.

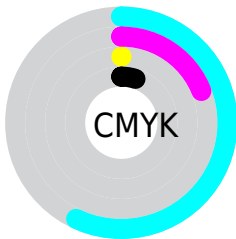
Distribution



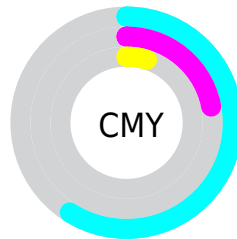
- Red (41%)
- Green (78%)
- Blue (95%)



- Red (41%)
- Yellow (63%)
- Blue (95%)



- Cyan (57%)
- Magenta (19%)
- Yellow (0%)
- Black (5%)



- Cyan (59%)
- Magenta (22%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8625, 0.2290, 0.2706 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 49.8625, 0.2290, 0.2706 by changing the saturation by 10% instead.

■ 49.8625, 0.2290,
0.2706

■ 49.8625, 0.2290,
0.2706

■ 386.1280, 0.2688,
0.2997

■ 35.3042, 0.2198,
0.2635

■ 89.9711, 0.2429,
0.2811

■ 23.8973, 0.2084,
0.2545

■ 116.2902, 0.2483,
0.2850

■ 15.2574, 0.1940,
0.2429

■ 147.2983, 0.2529,
0.2884

■ 9.0003, 0.1753,
0.2272

■ 183.3798, 0.2569,
0.2913

■ 4.7413, 0.1504,
0.2053

■ 224.9191, 0.2605,
0.2938

■ 2.0963, 0.1165,
0.1734

■ 272.3007, 0.2636,

■ 0.6626, 0.0494,

0.2960

0.1249

325.9088, 0.2663,
0.2980

0.0000, 0.0000,
0.0000

49.8625, 0.2290,
0.2706

49.8625, 0.2290,
0.2706

45.0688, 0.2176,
0.2582

55.2697, 0.2420,
0.2826

40.8433, 0.2080,
0.2456

61.3203, 0.2562,
0.2940

37.1417, 0.2005,
0.2330

68.0482, 0.2712,
0.3046

33.9061, 0.1951,
0.2207

75.4830, 0.2866,
0.3145

32.9413, 0.1936,
0.2168

83.6521, 0.3022,
0.3234

92.5816, 0.3176,
0.3315

98.2838, 0.3198,
0.3391

99.2521, 0.3197,
0.3405

Harmonies

Analogous

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



49.8625, 0.2313, 0.3040



49.8625, 0.2290, 0.2706



49.8625, 0.2468, 0.2552

Triad

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



49.8625, 0.2290, 0.2706



49.8625, 0.3733, 0.3068



49.8625, 0.3385, 0.4126

Complementary

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



49.8625, 0.2290, 0.2706



41.8875, 0.4539, 0.3770

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.



49.8625, 0.3795, 0.4063



49.8625, 0.2290, 0.2706



49.8625, 0.4016, 0.3434

Square

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



49.8625, 0.2290, 0.2706



49.8625, 0.3285, 0.2764



49.8625, 0.4034, 0.3795



49.8625, 0.2924, 0.3915

Rectangle

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



49.8625, 0.2290, 0.2706



49.8625, 0.2687, 0.2551



49.8625, 0.4034, 0.3795



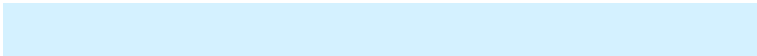
49.8625, 0.3534, 0.4134

Sweetspot

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



49.8643, 0.2290, 0.2706



83.9952, 0.2863, 0.3142



69.2735, 0.2848, 0.4559



17.6078, 0.2831, 0.3123



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.



49.8643, 0.2290, 0.2706



49.5929, 0.2161, 0.2565



25.5158, 0.2090, 0.1776



17.7937, 0.2980, 0.3211



18.3325, 0.1941, 0.2187



1.7979, 0.1984, 0.2342

Inverse Universe

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



33.2342, 0.3663, 0.2332



31.3327, 0.3818, 0.2196



70.0699, 0.4081, 0.4433



16.6710, 0.3188, 0.3132



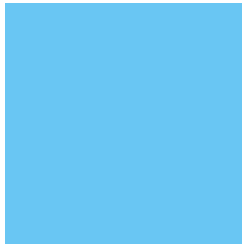
11.9501, 0.4246, 0.2113



1.0691, 0.4083, 0.2023

Previews

White Background



This preview shows how the Yxy color 49.8625, 0.2290, 0.2706 looks on a white background.

Color Contrast Check

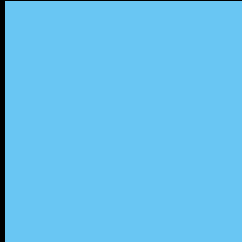
Large Text (above 18pt) WCAG AA × Fail

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 49.8625, 0.2290, 0.2706 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

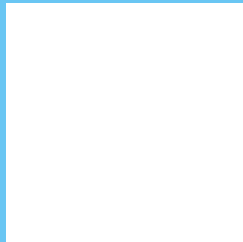
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8625, 0.2290, 0.2706

Background



This preview shows how black text looks on a background with the Yxy color 49.8625, 0.2290, 0.2706.



This preview shows how white text looks on a background with the Yxy color 49.8625, 0.2290, 0.2706.

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

49.8625, 0.2290, 0.2706

Protanopia

49.1628, 0.2702, 0.2695

Deuteranopia

49.2914, 0.2608, 0.2542



Tritanopia

49.7884, 0.2370, 0.3054

Trichromacy



Original Color

49.8625, 0.2290, 0.2706

Protanomaly

48.8992, 0.2522, 0.2688

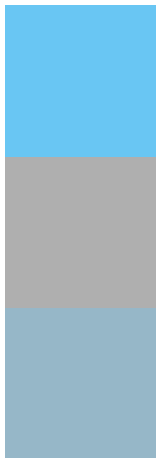
Deuteranomaly

48.8549, 0.2471, 0.2586

Tritanomaly

50.0274, 0.2341, 0.2925

Monochromacy



Original Color

49.8625, 0.2290, 0.2706

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.5211, 0.2743, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8625, 0.2290, 0.2706 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(105, 198, 243)` looks like.

```
.text, #text, p{  
    color:rgb(105, 198, 243)  
}
```

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(105, 198, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 198, 243) }
```

Border

The CSS property to change the border of an element to Yxy 49.8625, 0.2290, 0.2706 is called "border". The border property can be set on classes, ids or directly on the HTML element.

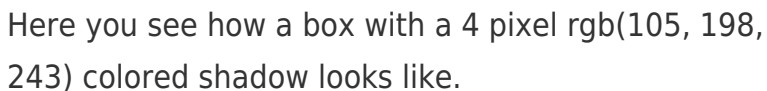
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 198, 243) }
```

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

```
.border{ border-color:rgb(105, 198, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 198, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 198, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 198, 243); box-shadow:4px 4px 4px 4px rgb(105, 198, 243) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8625, 0.2290, 0.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 198, 243) }
```

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

```
.background{ background-color: rgb(105,  
198, 243) }
```

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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