

Converting Colors

$Y_{xy}(49.2716, 0.2302, 0.2695)$

Have a look what the booklet for
Yxy(49.2716, 0.2302, 0.2695)
contains.

Yxy(49.0788, 0.2301, 0.2692)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.0788, 0.2301, 0.2692)

Conversions

Conversions Part 1

Format	Color
Hex	6CC4F2
RGB	108, 196, 242
RGB Percent	42%, 77%, 95%
CMY	0.5766, 0.2314, 0.0509
CMYK	0.55, 0.19, 0.00, 0.05
HSL	201°, 84%, 69%
HSV	201°, 55%, 95%
XYZ	41.9503, 49.0788, 91.2844
YIQ	174.9320, -67.2140, -4.3500

Conversions

Conversions Part 2

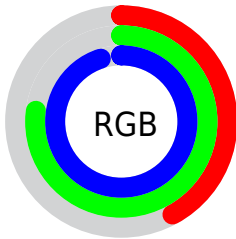
Format	Color
R _Y B	108, 161, 242
Decimal	7128306
CIE Lab	75.50, -13.71, -30.83
CIE LCh	76, 33.738, 246.023
Yxy	49.0788, 0.2301, 0.2692
Android (android.graphics.Color)	4285318386 (0xFF6CC4F2)
YUV	174.9320, 33.0645, -58.6994
Hunter-Lab	70.0563, -15.7110, -28.2164

Details

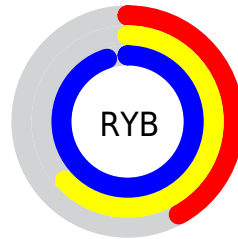
The Yxy color **49.0788, 0.2301, 0.2692** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.0695, 0.4473, 0.3786**, and the grayscale version is **42.6819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7954, 0.2640, 0.3267**, and **23.3423, 0.2094, 0.2518** is the 20% darker color. If you saturate the color by 10%, you get **44.1235, 0.2182, 0.2561**, and if you desaturate by 10%, it is **54.6663, 0.2435, 0.2818**.

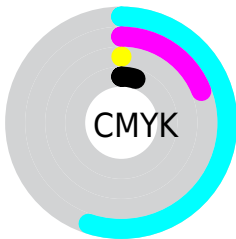
Distribution



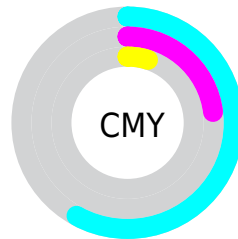
- Red (42%)
- Green (77%)
- Blue (95%)



- Red (42%)
- Yellow (63%)
- Blue (95%)



- Cyan (55%)
- Magenta (19%)
- Yellow (0%)
- Black (5%)





- Cyan (58%)
- Magenta (23%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0788, 0.2301, 0.2692 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 49.0788, 0.2301, 0.2692 by changing the saturation by 10% instead.


 49.0788, 0.2301,
0.2692


 49.0788, 0.2301,
0.2692


383.0525, 0.2695,
0.2990

 34.6820, 0.2209,
0.2619


 88.8085, 0.2439,
0.2799

 23.4180, 0.2096,
0.2528


 114.9101, 0.2493,
0.2840

 14.9025, 0.1952,
0.2409


 145.6822, 0.2538,
0.2874

 8.7510, 0.1765,
0.2249

181.5091, 0.2578,
0.2904

 4.5791, 0.1515,
0.2025

222.7751, 0.2613,
0.2930

 2.0025, 0.1174,
0.1699

269.8648, 0.2643,

 0.6089, 0.0477,

0.2952

0.1191

323.1624, 0.2671,
0.2972

0.0000, 0.0000,
0.0000

49.0788, 0.2301,
0.2692

49.0788, 0.2301,
0.2692

44.1235, 0.2182,
0.2561

54.6663, 0.2435,
0.2818

39.7559, 0.2081,
0.2428

60.9155, 0.2580,
0.2937

35.9325, 0.2000,
0.2295


67.8602, 0.2732,
0.3049


32.5985, 0.1941,
0.2165

75.5296, 0.2888,
0.3151

31.1892, 0.1918,
0.2105

83.9514, 0.3044,
0.3244

 93.1512, 0.3198,
0.3327

 98.6584, 0.3203,
0.3407

 99.1922, 0.3203,
0.3415

Harmonies

Analogous

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



49.0788, 0.2309, 0.3012



49.0788, 0.2301, 0.2692



49.0788, 0.2492, 0.2552

Triad

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



49.0788, 0.2301, 0.2692



49.0788, 0.3758, 0.3095



49.0788, 0.3350, 0.4115

Complementary

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



49.0788, 0.2301, 0.2692



43.0695, 0.4473, 0.3786

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.



49.0788, 0.3766, 0.4071



49.0788, 0.2301, 0.2692



49.0788, 0.4021, 0.3461

Square

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



49.0788, 0.2301, 0.2692



49.0788, 0.3319, 0.2786



49.0788, 0.4019, 0.3816



49.0788, 0.2893, 0.3886

Rectangle

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



49.0788, 0.2301, 0.2692



49.0788, 0.2717, 0.2560



49.0788, 0.4019, 0.3816



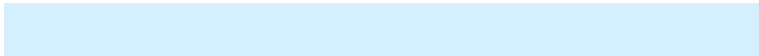
49.0788, 0.3500, 0.4130

Sweetspot

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



49.0806, 0.2301, 0.2692



83.5554, 0.2862, 0.3135



68.9929, 0.2841, 0.4490



17.5036, 0.2831, 0.3114



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.



49.0806, 0.2301, 0.2692



49.2676, 0.2173, 0.2551



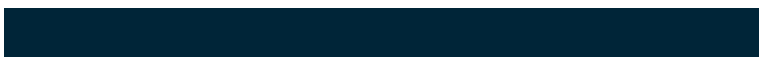
25.6458, 0.2110, 0.1790



16.9621, 0.2980, 0.3207



17.0157, 0.1924, 0.2127



1.5999, 0.1972, 0.2298

Inverse Universe

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



33.5852, 0.3671, 0.2373



32.0696, 0.3825, 0.2242



70.9825, 0.4045, 0.4429



15.9338, 0.3191, 0.3136



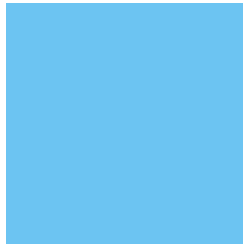
11.5111, 0.4312, 0.2149



0.9762, 0.4129, 0.2048

Previews

White Background



This preview shows how the Yxy color 49.0788, 0.2301, 0.2692 looks on a white background.

Color Contrast Check

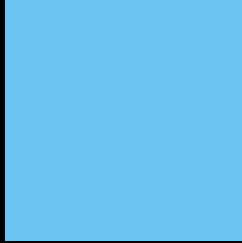
Large Text (above 18pt) WCAG AA × Fail

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 49.0788, 0.2301, 0.2692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

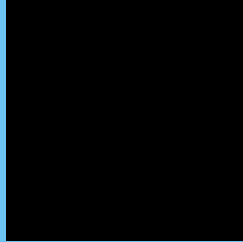
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

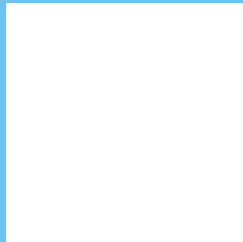
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0788, 0.2301, 0.2692

Background



This preview shows how black text looks on a background with the Yxy color 49.0788, 0.2301, 0.2692.



This preview shows how white text looks on a background with the Yxy color 49.0788, 0.2301, 0.2692.

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

49.0788, 0.2301, 0.2692

Protanopia

48.6344, 0.2694, 0.2681

Deuteranopia

48.5945, 0.2600, 0.2537



Tritanopia

48.9150, 0.2385, 0.3053

Trichromacy



Original Color

49.0788, 0.2301, 0.2692

Protanomaly

48.4121, 0.2526, 0.2686

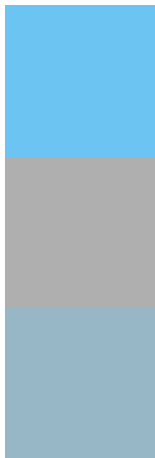
Deuteranomaly

48.2753, 0.2469, 0.2583

Tritanomaly

49.1626, 0.2357, 0.2924

Monochromacy



Original Color

49.0788, 0.2301, 0.2692

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.5698, 0.2757, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0788, 0.2301, 0.2692 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(108, 196, 242)` looks like.

```
.text, #text, p{  
    color:rgb(108, 196, 242)  
}
```

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(108, 196, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 196, 242) }
```

Border

The CSS property to change the border of an element to Yxy 49.0788, 0.2301, 0.2692 is called "border". The border property can be set on classes, ids or directly on the HTML element.

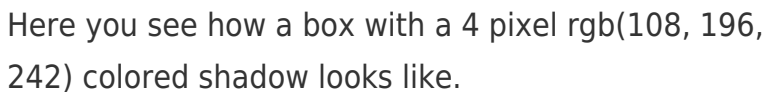
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 196, 242) }
```

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

```
.border{ border-color:rgb(108, 196, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 196, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 196, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 196, 242);  
box-shadow:4px 4px 4px 4px rgb(108, 196,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0788, 0.2301, 0.2692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 196, 242) }
```

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

```
.background{ background-color: rgb(108,  
196, 242) }
```

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