

Converting Colors

$Y_{xy}(48.1063, 0.2293, 0.2613)$

Have a look what the booklet for
Yxy(48.1063, 0.2293, 0.2613)
contains.

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Color

Yxy(48.1772, 0.2297, 0.2620)

Conversions

Conversions Part 1

Format	Color
Hex	70C1F5
RGB	112, 193, 245
RGB Percent	44%, 76%, 96%
CMY	0.5606, 0.2432, 0.0392
CMYK	0.54, 0.21, 0.00, 0.04
HSL	203°, 87%, 70%
HSV	203°, 54%, 96%
XYZ	42.2378, 48.1772, 93.4674
YIQ	174.7090, -64.9680, -1.0000

Conversions

Conversions Part 2

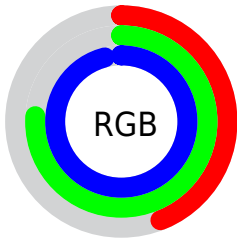
Format	Color
R _Y B	112, 162, 245
Decimal	7389685
CIE Lab	74.94, -10.41, -33.29
CIE LCh	75, 34.880, 252.631
Yxy	48.1772, 0.2297, 0.2620
Android (android.graphics.Color)	4285579765 (0xFF70C1F5)
YUV	174.7090, 34.6535, -54.9958
Hunter-Lab	69.4098, -12.8449, -31.2532

Details

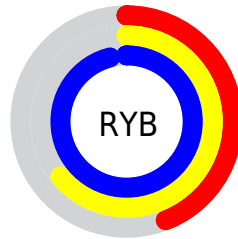
The Yxy color **48.1772, 0.2297, 0.2620** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.1555, 0.4393, 0.3845**, and the grayscale version is **42.5599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6293, 0.2648, 0.3223**, and **23.0111, 0.2089, 0.2442** is the 20% darker color. If you saturate the color by 10%, you get **42.6828, 0.2169, 0.2470**, and if you desaturate by 10%, it is **54.3869, 0.2439, 0.2765**.

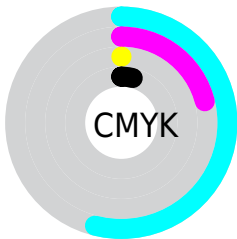
Distribution



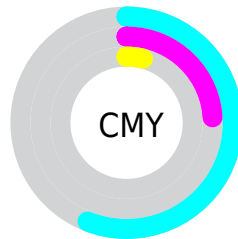
- Red (44%)
- Green (76%)
- Blue (96%)



- Red (44%)
- Yellow (64%)
- Blue (96%)



- Cyan (54%)
- Magenta (21%)
- Yellow (0%)
- Black (4%)




- Cyan (56%)
- Magenta (24%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1772, 0.2297, 0.2620 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 48.1772, 0.2297, 0.2620 by changing the saturation by 10% instead.


 48.1772, 0.2297,
0.2620


 48.1772, 0.2297,
0.2620


379.4941, 0.2694,
0.2951


 33.9672, 0.2205,
0.2540


 87.4682, 0.2436,
0.2738

 22.8684, 0.2090,
0.2440


 113.3180, 0.2490,
0.2783

 14.4964, 0.1945,
0.2310


 143.8165, 0.2536,
0.2822

 8.4667, 0.1756,
0.2138

179.3482, 0.2576,
0.2855

 4.3950, 0.1505,
0.1900

220.2974, 0.2611,
0.2884

 1.8969, 0.1162,
0.1560

267.0485, 0.2642,

 0.5465, 0.0495,

0.2909

0.1020

319.9859, 0.2669,
0.2931

0.0000, 0.0000,
0.0000

48.1772, 0.2297,
0.2620

48.1772, 0.2297,
0.2620

42.6828, 0.2169,
0.2470

54.3869, 0.2439,
0.2765

37.8570, 0.2058,
0.2316

61.3440, 0.2590,
0.2901

33.6540, 0.1969,
0.2164

69.0844, 0.2747,
0.3028

30.0166, 0.1901,
0.2014

77.6397, 0.2905,
0.3144

28.1421, 0.1870,
0.1930

87.0396, 0.3061,
0.3249

96.5365, 0.3188,
0.3343

99.3733, 0.3185,
0.3386

Harmonies

Analogous

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



48.1772, 0.2259, 0.2912



48.1772, 0.2297, 0.2620



48.1772, 0.2537, 0.2519

Triad

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



48.1772, 0.2297, 0.2620



48.1772, 0.3864, 0.3167



48.1772, 0.3252, 0.4123

Complementary

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



48.1772, 0.2297, 0.2620



47.1555, 0.4393, 0.3845

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.



48.1772, 0.3705, 0.4135



48.1772, 0.2297, 0.2620



48.1772, 0.4081, 0.3550

Square

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



48.1772, 0.2297, 0.2620



48.1772, 0.3434, 0.2829



48.1772, 0.4016, 0.3906



48.1772, 0.2786, 0.3825

Rectangle

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



48.1772, 0.2297, 0.2620



48.1772, 0.2793, 0.2553



48.1772, 0.4016, 0.3906



48.1772, 0.3411, 0.4159

Sweetspot

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



48.1790, 0.2297, 0.2620



83.3028, 0.2877, 0.3124



71.4038, 0.2813, 0.4371



17.4077, 0.2844, 0.3100



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.



48.1790, 0.2297, 0.2620



46.2540, 0.2159, 0.2457



25.3624, 0.2114, 0.1739



17.6060, 0.2980, 0.3195



15.4364, 0.1876, 0.1954



1.5563, 0.1928, 0.2139

Inverse Universe

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



34.8616, 0.3730, 0.2449



32.1713, 0.3910, 0.2323



76.8999, 0.3992, 0.4466



16.6521, 0.3198, 0.3147



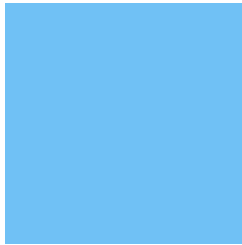
11.6577, 0.4505, 0.2255



1.0447, 0.4298, 0.2141

Previews

White Background



This preview shows how the Yxy color 48.1772, 0.2297, 0.2620 looks on a white background.

Color Contrast Check

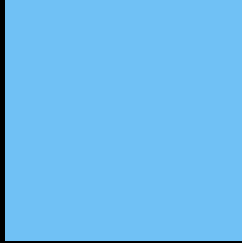
Large Text (above 18pt) WCAG AA × Fail

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 48.1772, 0.2297, 0.2620 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

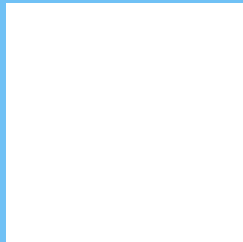
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1772, 0.2297, 0.2620

Background



This preview shows how black text looks on a background with the Yxy color 48.1772, 0.2297, 0.2620.



This preview shows how white text looks on a background with the Yxy color 48.1772, 0.2297, 0.2620.

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

48.1772, 0.2297, 0.2620

Protanopia

47.5389, 0.2645, 0.2618

Deuteranopia

47.8244, 0.2548, 0.2487



Tritanopia

48.0099, 0.2407, 0.3066

Trichromacy



Original Color

48.1772, 0.2297, 0.2620

Protanomaly

47.2258, 0.2497, 0.2613

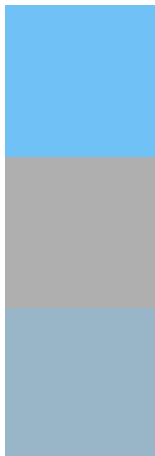
Deuteranomaly

47.5243, 0.2443, 0.2524

Tritanomaly

47.9194, 0.2366, 0.2896

Monochromacy



Original Color

48.1772, 0.2297, 0.2620

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.3014, 0.2756, 0.3045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1772, 0.2297, 0.2620 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(112, 193, 245)` looks like.

```
.text, #text, p{  
    color:rgb(112, 193, 245)  
}
```

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(112, 193, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 193, 245) }
```

Border

The CSS property to change the border of an element to Yxy 48.1772, 0.2297, 0.2620 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(112, 193, 245) }
```

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

```
.border{ border-color:rgb(112, 193, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 193, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 193, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 193, 245);  
box-shadow:4px 4px 4px 4px rgb(112, 193,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1772, 0.2297, 0.2620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 193, 245) }
```

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

```
.background{ background-color: rgb(112,  
193, 245) }
```

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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