

Converting Colors

$Y_{xy}(43.3200, 0.2210, 0.2483)$

Have a look what the booklet for
Yxy(43.3200, 0.2210, 0.2483)
contains.

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Color

Yxy(43.4702, 0.2211, 0.2486)

Conversions

Conversions Part 1

Format	Color
Hex	62B8F5
RGB	98, 184, 245
RGB Percent	38%, 72%, 96%
CMY	0.6154, 0.2784, 0.0393
CMYK	0.60, 0.25, 0.00, 0.04
HSL	205°, 88%, 67%
HSV	205°, 60%, 96%
XYZ	38.6615, 43.4702, 92.7283
YIQ	165.2400, -70.8370, 0.7390

Conversions

Conversions Part 2

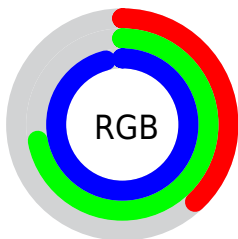
Format	Color
R_{YB}	98, 152, 245
Decimal	6469877
CIE _{Lab}	71.87, -8.30, -38.07
CIE _{LCh}	72, 38.963, 257.708
Yxy	43.4702, 0.2211, 0.2486
Android (android.graphics.Color)	4284659957 (0xFF62B8F5)
YUV	165.2400, 39.3217, -58.9695
Hunter-Lab	65.9319, -10.7110, -37.2345

Details

The Yxy color **43.4702, 0.2211, 0.2486** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.1072, 0.4549, 0.3926**, and the grayscale version is **37.5886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9111, 0.2576, 0.3120**, and **19.9650, 0.1979, 0.2272** is the 20% darker color. If you saturate the color by 10%, you get **38.2359, 0.2089, 0.2324**, and if you desaturate by 10%, it is **49.4283, 0.2349, 0.2644**.

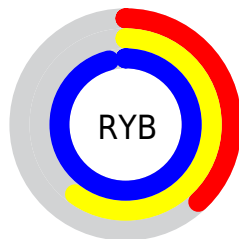
Distribution



Red (38%)

Green (72%)

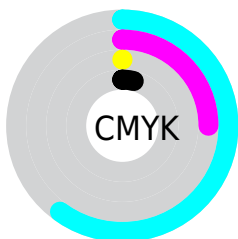
Blue (96%)



Red (38%)

Yellow (60%)

Blue (96%)

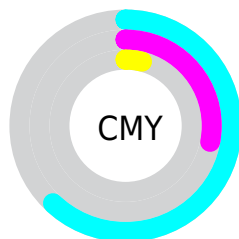


Cyan (60%)

Magenta (25%)

Yellow (0%)

Black (4%)



Cyan (62%)

Magenta (28%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4702, 0.2211, 0.2486 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 43.4702, 0.2211, 0.2486 by changing the saturation by 10% instead.

43.4702, 0.2211,
0.2486

43.4702, 0.2211,
0.2486

360.5419, 0.2654,
0.2885

30.2542, 0.2107,
0.2390

80.4199, 0.2367,
0.2629

20.0316, 0.1979,
0.2269

104.9225, 0.2427,
0.2683

12.4180, 0.1816,
0.2114

133.9560, 0.2479,
0.2729

7.0290, 0.1605,
0.1909

167.9048, 0.2523,
0.2769

3.4803, 0.1326,
0.1631

207.1535, 0.2562,
0.2804

1.3873, 0.0954,
0.1245

252.0863, 0.2596,

0.2073, 0.0000,

0.2834

0.0445

303.0876, 0.2627,
0.2861

0.0000, 0.0000,
0.0000

43.4702, 0.2211,
0.2486

43.4702, 0.2211,
0.2486

38.2359, 0.2089,
0.2324

49.4283, 0.2349,
0.2644

33.6751, 0.1986,
0.2160

56.1462, 0.2498,
0.2795

29.7357, 0.1906,
0.2000

63.6622, 0.2655,
0.2936

26.3330, 0.1846,
0.1845

72.0104, 0.2814,
0.3066

26.3243, 0.1846,
0.1844

81.2224, 0.2972,
0.3184

91.3279, 0.3128,
0.3290

99.3718, 0.3185,
0.3386

Harmonies

Analogous

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



43.4702, 0.2128, 0.2776



43.4702, 0.2211, 0.2486



43.4702, 0.2516, 0.2413

Triad

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



43.4702, 0.2211, 0.2486



43.4702, 0.4044, 0.3214



43.4702, 0.3169, 0.4228

Complementary

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



43.4702, 0.2211, 0.2486



45.1072, 0.4549, 0.3926

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.



43.4702, 0.3704, 0.4287



43.4702, 0.2211, 0.2486



43.4702, 0.4240, 0.3650

Square

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



43.4702, 0.2211, 0.2486



43.4702, 0.3574, 0.2821



43.4702, 0.4104, 0.4046



43.4702, 0.2649, 0.3829

Rectangle

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



43.4702, 0.2211, 0.2486



43.4702, 0.2826, 0.2476



43.4702, 0.4104, 0.4046



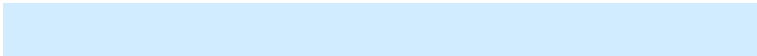
43.4702, 0.3353, 0.4287

Sweetspot

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



43.4717, 0.2211, 0.2486



80.7500, 0.2845, 0.3089



70.3259, 0.2784, 0.4474



16.6811, 0.2798, 0.3053



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.



43.4717, 0.2211, 0.2486



40.7293, 0.2065, 0.2288



20.9473, 0.1995, 0.1525



17.5374, 0.2980, 0.3189



14.4628, 0.1853, 0.1869



1.4737, 0.1907, 0.2065

Inverse Universe

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



31.6176, 0.3866, 0.2412



29.0636, 0.4094, 0.2304



77.0511, 0.4059, 0.4583



16.6451, 0.3202, 0.3152



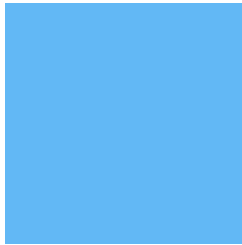
11.5594, 0.4603, 0.2310



1.0364, 0.4380, 0.2187

Previews

White Background



This preview shows how the Yxy color 43.4702, 0.2211, 0.2486 looks on a white background.

Color Contrast Check

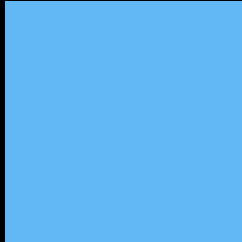
Large Text (above 18pt) WCAG AA × Fail

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 43.4702, 0.2211, 0.2486 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

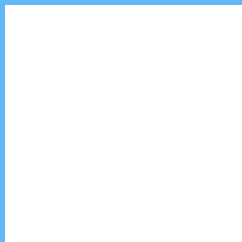
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.4702, 0.2211, 0.2486

Background



This preview shows how black text looks on a background with the Yxy color 43.4702, 0.2211, 0.2486.



This preview shows how white text looks on a background with the Yxy color 43.4702, 0.2211, 0.2486.

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

43.4702, 0.2211, 0.2486

Protanopia

43.1114, 0.2551, 0.2500

Deuteranopia

42.9921, 0.2437, 0.2374



Tritanopia

43.5159, 0.2336, 0.3054

Trichromacy



Original Color

43.4702, 0.2211, 0.2486

Protanomaly

42.9105, 0.2408, 0.2493

Deuteranomaly

42.8439, 0.2339, 0.2411

Tritanomaly

43.2131, 0.2284, 0.2823

Monochromacy



Original Color

43.4702, 0.2211, 0.2486

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.0628, 0.2703, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4702, 0.2211, 0.2486 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(98, 184, 245)` looks like.

```
.text, #text, p{  
    color:rgb(98, 184, 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(98, 184, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 184, 245) }
```

Border

The CSS property to change the border of an element to Yxy 43.4702, 0.2211, 0.2486 is called "border". The border property can be set on classes, ids or directly on the HTML element.

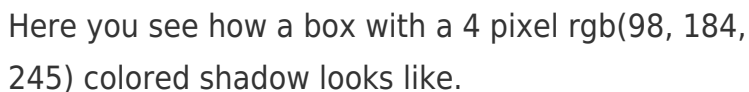
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 184, 245) }
```

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

```
.border{ border-color:rgb(98, 184, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(98, 184, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 184, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 184, 245);  
box-shadow:4px 4px 4px 4px rgb(98, 184,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4702, 0.2211, 0.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 184, 245) }
```

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

```
.background{ background-color: rgb(98, 184,  
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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