

Converting Colors

$Yxy(48.0797, 0.2222, 0.2682)$

Have a look what the booklet for
Yxy(48.0797, 0.2222, 0.2682)
contains.

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Color

Yxy(47.9169, 0.2221, 0.2680)

Conversions

Conversions Part 1

Format	Color
Hex	57C4F2
RGB	87, 196, 242
RGB Percent	34%, 77%, 95%
CMY	0.6581, 0.2314, 0.0509
CMYK	0.64, 0.19, 0.00, 0.05
HSL	198°, 86%, 65%
HSV	198°, 64%, 95%
XYZ	39.7102, 47.9169, 91.1673
YIQ	168.6530, -79.7300, -8.8020

Conversions

Conversions Part 2

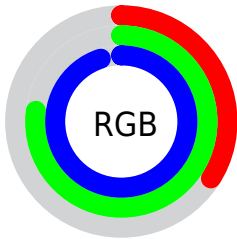
Format	Color
R _Y B	87, 151, 242
Decimal	5752050
CIE Lab	74.77, -17.47, -32.00
CIE LCh	75, 36.460, 241.364
Yxy	47.9169, 0.2221, 0.2680
Android (android.graphics.Color)	4283942130 (0xFF57C4F2)
YUV	168.6530, 36.1601, -71.6097
Hunter-Lab	69.2220, -18.7394, -29.6311

Details

The Yxy color **47.9169, 0.2221, 0.2680** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **36.4012, 0.4832, 0.3761**, and the grayscale version is **39.3666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9546, 0.2558, 0.3266**, and **22.8912, 0.2030, 0.2507** is the 20% darker color. If you saturate the color by 10%, you get **43.7720, 0.2124, 0.2566**, and if you desaturate by 10%, it is **52.6114, 0.2336, 0.2791**.

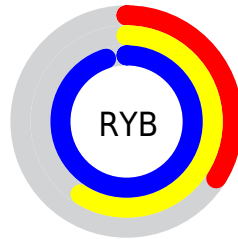
Distribution



Red (34%)

Green (77%)

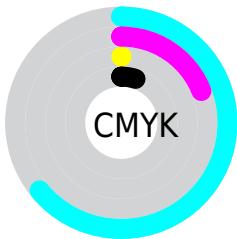
Blue (95%)



Red (34%)

Yellow (59%)

Blue (95%)

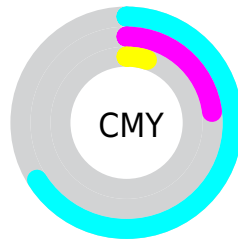


Cyan (64%)

Magenta (19%)

Yellow (0%)

Black (5%)



Cyan (66%)


Magenta (23%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9169, 0.2221, 0.2680 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 47.9169, 0.2221, 0.2680 by changing the saturation by 10% instead.


 47.9169, 0.2221,
0.2680

 47.9169, 0.2221,
0.2680


378.4626, 0.2652,
0.2987


 33.7611, 0.2121,
0.2604


 87.0807, 0.2372,
0.2791

 22.7101, 0.1998,
0.2509


 112.8574, 0.2431,
0.2833

 14.3796, 0.1842,
0.2384


 143.2766, 0.2481,
0.2868

 8.3852, 0.1641,
0.2216

 178.7226, 0.2524,
0.2899

 4.3424, 0.1375,
0.1980

219.5798, 0.2562,
0.2925

 1.8669, 0.1019,
0.1637

266.2326, 0.2596,

 0.5283, 0.0156,

0.2949

0.1090

319.0654, 0.2626,
0.2969

0.0000, 0.0000,
0.0000

47.9169, 0.2221,
0.2680

47.9169, 0.2221,
0.2680

43.7720, 0.2124,
0.2566

52.6114, 0.2336,
0.2791

40.1287, 0.2048,
0.2453

57.8876, 0.2466,
0.2898


36.9367, 0.1991,
0.2340


63.7805, 0.2607,
0.3000


35.1864, 0.1965,
0.2273


70.3204, 0.2757,
0.3094

77.5354, 0.2911,
0.3181

 85.4516, 0.3066,
0.3261

 93.7916, 0.3209,
0.3332

 98.2614, 0.3204,
0.3401

 99.1914, 0.3203,
0.3415

Harmonies

Analogous

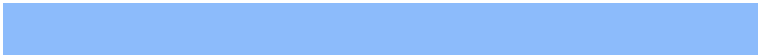
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.9169, 0.2262, 0.3052



47.9169, 0.2221, 0.2680



47.9169, 0.2394, 0.2502

Triad

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



47.9169, 0.2221, 0.2680



47.9169, 0.3748, 0.3019



47.9169, 0.3442, 0.4204

Complementary

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



47.9169, 0.2221, 0.2680



36.4012, 0.4832, 0.3761

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.



47.9169, 0.3876, 0.4106



47.9169, 0.2221, 0.2680



47.9169, 0.4075, 0.3407

Square

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



47.9169, 0.2221, 0.2680



47.9169, 0.3253, 0.2703



47.9169, 0.4117, 0.3800



47.9169, 0.2944, 0.4001

Rectangle

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



47.9169, 0.2221, 0.2680



47.9169, 0.2618, 0.2492



47.9169, 0.4117, 0.3800



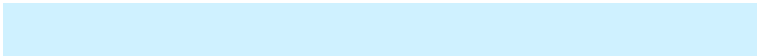
47.9169, 0.3601, 0.4202

Sweetspot

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



47.9186, 0.2221, 0.2680



83.0932, 0.2832, 0.3138



67.1850, 0.2856, 0.4821



17.2938, 0.2788, 0.3113



0.0000, 0.0000, 0.0000



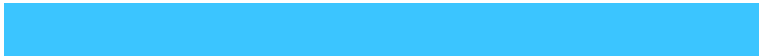
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.9186, 0.2221, 0.2680



47.9045, 0.2097, 0.2530



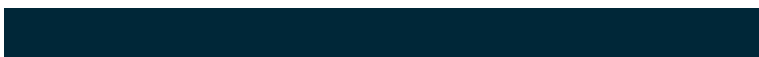
22.0542, 0.1974, 0.1625



17.0892, 0.2981, 0.3218



19.1502, 0.1970, 0.2292



1.7655, 0.2011, 0.2439

Inverse Universe

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



29.7091, 0.3703, 0.2200



28.3664, 0.3870, 0.2078



64.9079, 0.4229, 0.4498



15.9467, 0.3183, 0.3125



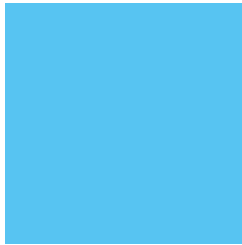
11.7266, 0.4135, 0.2052



0.9929, 0.3984, 0.1968

Previews

White Background



This preview shows how the Yxy color 47.9169, 0.2221, 0.2680 looks on a white background.

Color Contrast Check

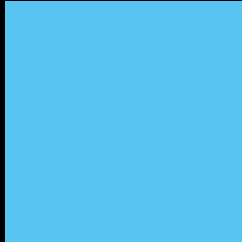
Large Text (above 18pt) WCAG AA × Fail

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 47.9169, 0.2221, 0.2680 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

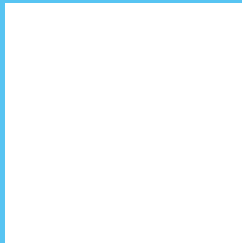
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.9169, 0.2221, 0.2680

Background



This preview shows how black text looks on a background with the Yxy color 47.9169, 0.2221, 0.2680.

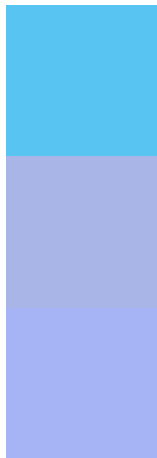


This preview shows how white text looks on a background with the Yxy color 47.9169, 0.2221, 0.2680.

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

47.9169, 0.2221, 0.2680

Protanopia

47.3633, 0.2683, 0.2674

Deuteranopia

47.4033, 0.2564, 0.2497



Tritanopia

47.7742, 0.2297, 0.3048

Trichromacy



Original Color

47.9169, 0.2221, 0.2680

Protanomaly

46.6914, 0.2473, 0.2662

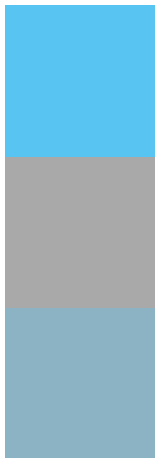
Deuteranomaly

47.0287, 0.2404, 0.2549

Tritanomaly

48.0001, 0.2270, 0.2916

Monochromacy



Original Color

47.9169, 0.2221, 0.2680

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.7147, 0.2685, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9169, 0.2221, 0.2680 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(87, 196, 242)` looks like.

```
.text, #text, p{  
    color:rgb(87, 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(87, 196, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 196, 242) }
```

Border

The CSS property to change the border of an element to Yxy 47.9169, 0.2221, 0.2680 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(87, 196, 242) }
```

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

```
.border{ border-color:rgb(87, 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(87, 196, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 196, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 196, 242);  
box-shadow:4px 4px 4px 4px rgb(87, 196,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9169, 0.2221, 0.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 196, 242) }
```

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

```
.background{ background-color: rgb(87, 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](#).

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