

Converting Colors

$Y_{xy}(49.0464, 0.2228, 0.2699)$

Have a look what the booklet for
Yxy(49.0464, 0.2228, 0.2699)
contains.

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Color

Yxy(48.9339, 0.2226, 0.2697)

Conversions

Conversions Part 1

Format	Color
Hex	58C6F3
RGB	88, 198, 243
RGB Percent	35%, 78%, 95%
CMY	0.6554, 0.2235, 0.0470
CMYK	0.64, 0.19, 0.00, 0.05
HSL	197°, 87%, 65%
HSV	197°, 64%, 95%
XYZ	40.3882, 48.9339, 92.1162
YIQ	170.2400, -80.0050, -9.3250

Conversions

Conversions Part 2

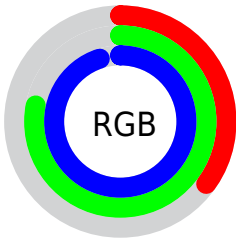
Format	Color
R _Y B	88, 152, 243
Decimal	5818099
CIE Lab	75.41, -18.11, -31.55
CIE LCh	75, 36.379, 240.150
Yxy	48.9339, 0.2226, 0.2697
Android (android.graphics.Color)	4284008179 (0xFF58C6F3)
YUV	170.2400, 35.8707, -72.1245
Hunter-Lab	69.9528, -19.3580, -29.1082

Details

The Yxy color **48.9339, 0.2226, 0.2697** 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 **36.4995, 0.4837, 0.3749**, and the grayscale version is **40.1581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **23.5344, 0.2036, 0.2530** is the 20% darker color. If you saturate the color by 10%, you get **44.7948, 0.2130, 0.2586**, and if you desaturate by 10%, it is **53.6213, 0.2340, 0.2805**.

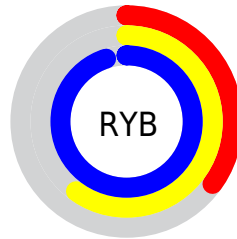
Distribution



Red (35%)

Green (78%)

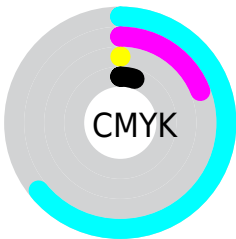
Blue (95%)



Red (35%)

Yellow (60%)

Blue (95%)

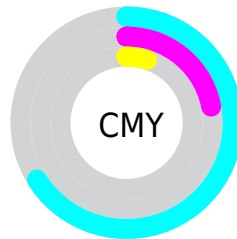


Cyan (64%)

Magenta (19%)

Yellow (0%)

Black (5%)



Cyan (66%)


Magenta (22%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9339, 0.2226, 0.2697 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 48.9339, 0.2226, 0.2697 by changing the saturation by 10% instead.


 48.9339, 0.2226,
0.2697


 48.9339, 0.2226,
0.2697

382.4820, 0.2654,
0.2995


 34.5670, 0.2127,
0.2624


 88.5933, 0.2376,
0.2805


 23.3296, 0.2005,
0.2531


 114.6546, 0.2433,
0.2845

 14.8370, 0.1852,
0.2410


 145.3828, 0.2483,
0.2880

 8.7051, 0.1654,
0.2247

 181.1624, 0.2526,
0.2910

 4.5493, 0.1392,
0.2019

222.3777, 0.2564,
0.2935

 1.9854, 0.1041,
0.1685

269.4132, 0.2597,

 0.5989, 0.0250,

0.2958

0.1176

322.6532, 0.2627,
0.2978

0.0000, 0.0000,
0.0000

48.9339, 0.2226,
0.2697

48.9339, 0.2226,
0.2697

44.7948, 0.2130,
0.2586

53.6213, 0.2340,
0.2805

41.1557, 0.2054,
0.2476

58.8892, 0.2469,
0.2909


37.9662, 0.1999,
0.2366

64.7728, 0.2610,
0.3008

36.1773, 0.1972,
0.2299


71.3024, 0.2759,
0.3100

78.5063, 0.2913,
0.3185

 86.4107, 0.3068,
0.3262

 94.4691, 0.3202,
0.3332

 98.8700, 0.3197,
0.3399

 99.2516, 0.3197,
0.3405

Harmonies

Analogous

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



48.9339, 0.2276, 0.3073



48.9339, 0.2226, 0.2697



48.9339, 0.2389, 0.2512

Triad

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



48.9339, 0.2226, 0.2697



48.9339, 0.3725, 0.3007



48.9339, 0.3460, 0.4197

Complementary

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



48.9339, 0.2226, 0.2697



36.4995, 0.4837, 0.3749

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.



48.9339, 0.3884, 0.4090



48.9339, 0.2226, 0.2697



48.9339, 0.4058, 0.3391

Square

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



48.9339, 0.2226, 0.2697



48.9339, 0.3231, 0.2698



48.9339, 0.4112, 0.3781



48.9339, 0.2966, 0.4008

Rectangle

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



48.9339, 0.2226, 0.2697



48.9339, 0.2607, 0.2497



48.9339, 0.4112, 0.3781



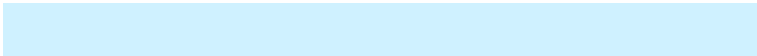
48.9339, 0.3615, 0.4191

Sweetspot

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



48.9357, 0.2226, 0.2697



83.3002, 0.2832, 0.3142



67.8365, 0.2857, 0.4818



17.3442, 0.2789, 0.3117



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.



48.9357, 0.2226, 0.2697



48.5505, 0.2102, 0.2549



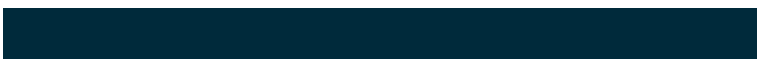
22.3352, 0.1976, 0.1629



17.8983, 0.2980, 0.3220



20.0972, 0.1977, 0.2316



1.9426, 0.2015, 0.2453

Inverse Universe

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



30.0941, 0.3688, 0.2192



28.4316, 0.3852, 0.2067



65.5550, 0.4227, 0.4497



16.6816, 0.3182, 0.3123



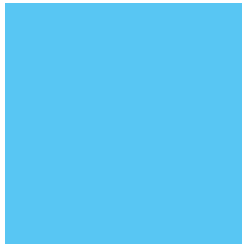
12.1282, 0.4109, 0.2037



1.0837, 0.3969, 0.1960

Previews

White Background



This preview shows how the Yxy color 48.9339, 0.2226, 0.2697 looks on a white background.

Color Contrast Check

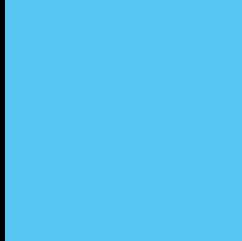
Large Text (above 18pt) WCAG AA × Fail

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 48.9339, 0.2226, 0.2697 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

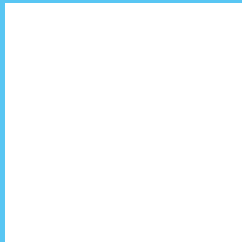
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9339, 0.2226, 0.2697

Background



This preview shows how black text looks on a background with the Yxy color 48.9339, 0.2226, 0.2697.



This preview shows how white text looks on a background with the Yxy color 48.9339, 0.2226, 0.2697.

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

48.9339, 0.2226, 0.2697

Protanopia

48.4638, 0.2693, 0.2691

Deuteranopia

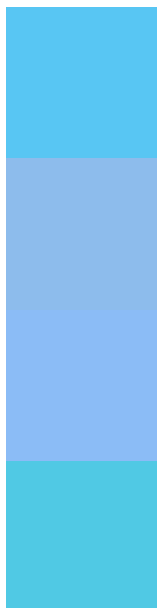
48.4961, 0.2575, 0.2514



Tritanopia

48.8920, 0.2301, 0.3050

Trichromacy



Original Color

48.9339, 0.2226, 0.2697

Protanomaly

47.6853, 0.2478, 0.2679

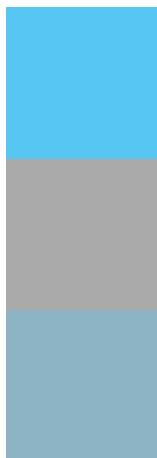
Deuteranomaly

48.1092, 0.2415, 0.2566

Tritanomaly

49.0802, 0.2272, 0.2919

Monochromacy



Original Color

48.9339, 0.2226, 0.2697

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.2492, 0.2687, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9339, 0.2226, 0.2697 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(88, 198, 243)` looks like.

```
.text, #text, p{  
    color:rgb(88, 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(88, 198, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 198, 243) }
```

Border

The CSS property to change the border of an element to Yxy 48.9339, 0.2226, 0.2697 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(88, 198, 243) }
```

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

```
.border{ border-color:rgb(88, 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(88, 198, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 198, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 198, 243);  
box-shadow:4px 4px 4px 4px rgb(88, 198,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9339, 0.2226, 0.2697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 198, 243) }
```

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

```
.background{ background-color: rgb(88, 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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