

Converting Colors

$Y_{xy}(50.7084, 0.2221, 0.2693)$

Have a look what the booklet for
Yxy(50.7084, 0.2221, 0.2693)
contains.

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Color

Yxy(50.5634, 0.2220, 0.2692)

Conversions

Conversions Part 1

Format	Color
Hex	58C9F7
RGB	88, 201, 247
RGB Percent	35%, 79%, 97%
CMY	0.6550, 0.2117, 0.0313
CMYK	0.64, 0.19, 0.00, 0.03
HSL	197°, 91%, 66%
HSV	197°, 64%, 97%
XYZ	41.6979, 50.5634, 95.5671
YIQ	172.4570, -82.1140, -9.6500

Conversions

Conversions Part 2

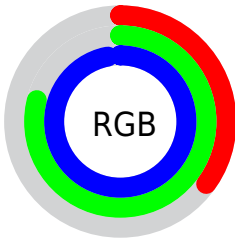
Format	Color
R _Y B	88, 154, 247
Decimal	5818871
CIE Lab	76.41, -18.41, -32.16
CIE LCh	76, 37.054, 240.204
Yxy	50.5634, 0.2220, 0.2692
Android (android.graphics.Color)	4284008951 (0xFF58C9F7)
YUV	172.4570, 36.7497, -74.0688
Hunter-Lab	71.1079, -19.7660, -29.9085

Details

The Yxy color **50.5634, 0.2220, 0.2692** 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 **37.5225, 0.4861, 0.3750**, and the grayscale version is **41.3363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **24.5851, 0.2039, 0.2542** is the 20% darker color. If you saturate the color by 10%, you get **46.3033, 0.2125, 0.2582**, and if you desaturate by 10%, it is **55.3902, 0.2333, 0.2800**.

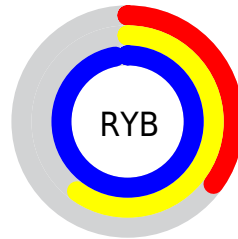
Distribution



Red (35%)

Green (79%)

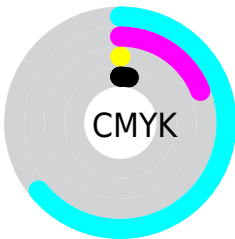
Blue (97%)



Red (35%)

Yellow (60%)

Blue (97%)

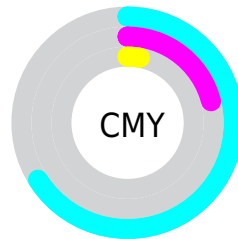


Cyan (64%)

Magenta (19%)

Yellow (0%)

Black (3%)



Cyan (66%)


Magenta (21%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5634, 0.2220, 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 50.5634, 0.2220, 0.2692 by changing the saturation by 10% instead.


 50.5634, 0.2220,
0.2692


 50.5634, 0.2220,
0.2692

388.8651, 0.2648,
0.2991


 35.8613, 0.2122,
0.2619


 91.0091, 0.2369,
0.2800

 24.3271, 0.2001,
0.2527


 117.5214, 0.2427,
0.2840

 15.5764, 0.1850,
0.2407


 148.7393, 0.2477,
0.2875

 9.2249, 0.1655,
0.2247

 185.0470, 0.2520,
0.2905

 4.8882, 0.1399,
0.2024

226.8291, 0.2558,
0.2931

 2.1818, 0.1058,
0.1701

274.4699, 0.2591,

 0.7100, 0.0391,

0.2953

0.1231

328.3537, 0.2621,
0.2973

0.0000, 0.0000,
0.0000

50.5634, 0.2220,
0.2692

50.5634, 0.2220,
0.2692

46.3033, 0.2125,
0.2582

55.3902, 0.2333,
0.2800

42.5592, 0.2051,
0.2471

60.8175, 0.2462,
0.2905

39.2778, 0.1996,
0.2362

66.8820, 0.2602,
0.3003


37.5952, 0.1973,
0.2301

73.6156, 0.2751,
0.3096

81.0477, 0.2904,
0.3181

 89.2057, 0.3059,
0.3258

 96.9843, 0.3176,
0.3329

 99.4962, 0.3173,
0.3366

Harmonies

Analogous

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



50.5634, 0.2270, 0.3071



50.5634, 0.2220, 0.2692



50.5634, 0.2384, 0.2506

Triad

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



50.5634, 0.2220, 0.2692



50.5634, 0.3730, 0.3005



50.5634, 0.3461, 0.4204

Complementary

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



50.5634, 0.2220, 0.2692



37.5225, 0.4861, 0.3750

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.



50.5634, 0.3889, 0.4096



50.5634, 0.2220, 0.2692



50.5634, 0.4066, 0.3392

Square

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



50.5634, 0.2220, 0.2692



50.5634, 0.3233, 0.2694



50.5634, 0.4120, 0.3785



50.5634, 0.2963, 0.4013

Rectangle

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



50.5634, 0.2220, 0.2692



50.5634, 0.2604, 0.2491



50.5634, 0.4120, 0.3785



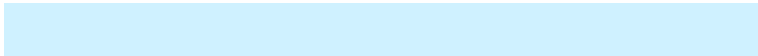
50.5634, 0.3618, 0.4198

Sweetspot

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



50.5652, 0.2220, 0.2692



83.3225, 0.2833, 0.3142



70.2965, 0.2856, 0.4835



17.3496, 0.2789, 0.3118



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.



50.5652, 0.2220, 0.2692



48.6204, 0.2103, 0.2551



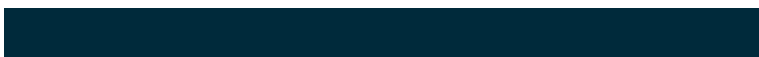
22.8126, 0.1965, 0.1611



17.9006, 0.2980, 0.3220



20.1366, 0.1978, 0.2319



1.9458, 0.2015, 0.2455

Inverse Universe

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



30.9673, 0.3694, 0.2183



28.4387, 0.3850, 0.2065



67.8440, 0.4237, 0.4505



16.6818, 0.3182, 0.3123



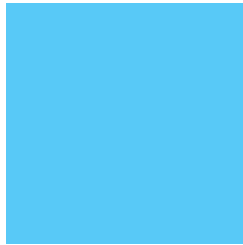
12.1322, 0.4106, 0.2036



1.0841, 0.3967, 0.1959

Previews

White Background



This preview shows how the Yxy color 50.5634, 0.2220, 0.2692 looks on a white background.

Color Contrast Check

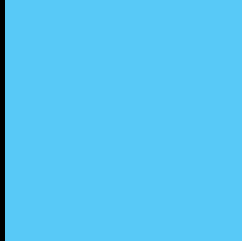
Large Text (above 18pt) WCAG AA × Fail

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 50.5634, 0.2220, 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

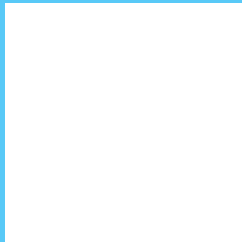
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.5634, 0.2220, 0.2692

Background



This preview shows how black text looks on a background with the Yxy color 50.5634, 0.2220, 0.2692.



This preview shows how white text looks on a background with the Yxy color 50.5634, 0.2220, 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

50.5634, 0.2220, 0.2692

Protanopia

49.8680, 0.2692, 0.2676

Deuteranopia

49.7921, 0.2568, 0.2501



Tritanopia

50.4324, 0.2295, 0.3053

Trichromacy



Original Color

50.5634, 0.2220, 0.2692

Protanomaly

49.3925, 0.2474, 0.2675

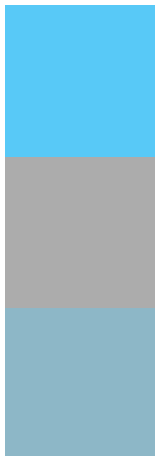
Deuteranomaly

49.3045, 0.2405, 0.2551

Tritanomaly

50.6607, 0.2269, 0.2923

Monochromacy



Original Color

50.5634, 0.2220, 0.2692

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.6532, 0.2686, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5634, 0.2220, 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(88, 201, 247)` looks like.

```
.text, #text, p{  
    color:rgb(88, 201, 247)  
}
```

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, 201, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 201, 247) }
```

Border

The CSS property to change the border of an element to Yxy 50.5634, 0.2220, 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(88, 201, 247) }
```

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

```
.border{ border-color:rgb(88, 201, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 201, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 201, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 201, 247);  
box-shadow:4px 4px 4px 4px rgb(88, 201,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5634, 0.2220, 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(88, 201, 247) }
```

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

```
.background{ background-color: rgb(88, 201,  
247) }
```

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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