

Converting Colors

$Y_{xy}(52.4130, 0.2236, 0.2722)$

Have a look what the booklet for
Yxy(52.4130, 0.2236, 0.2722)
contains.

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Color

Yxy(52.2494, 0.2232, 0.2711)

Conversions

Conversions Part 1

Format	Color
Hex	5BCCF9
RGB	91, 204, 249
RGB Percent	36%, 80%, 98%
CMY	0.6427, 0.2000, 0.0234
CMYK	0.63, 0.18, 0.00, 0.02
HSL	197°, 93%, 67%
HSV	197°, 63%, 98%
XYZ	43.0176, 52.2494, 97.4641
YIQ	175.3430, -81.7930, -9.9610

Conversions

Conversions Part 2

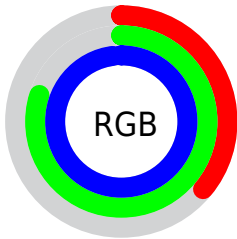
Format	Color
R _Y B	91, 157, 249
Decimal	6016249
CIE Lab	77.43, -18.83, -31.66
CIE LCh	77, 36.837, 239.266
Yxy	52.2494, 0.2232, 0.2711
Android (android.graphics.Color)	4284206329 (0xFF5BCCF9)
YUV	175.3430, 36.3129, -73.9688
Hunter-Lab	72.2837, -20.2674, -29.3453

Details

The Yxy color **52.2494, 0.2232, 0.2711** 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 **38.5557, 0.4830, 0.3740**, and the grayscale version is **42.9130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7086, 0.2583, 0.3288**, and **25.6185, 0.2047, 0.2568** is the 20% darker color. If you saturate the color by 10%, you get **47.8871, 0.2136, 0.2602**, and if you desaturate by 10%, it is **57.1894, 0.2346, 0.2817**.

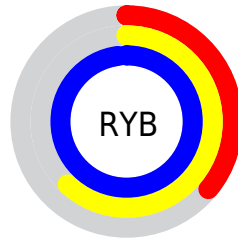
Distribution



Red (36%)

Green (80%)

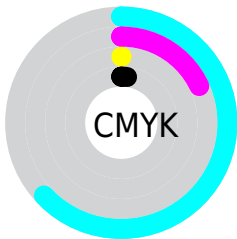
Blue (98%)



Red (36%)

Yellow (62%)

Blue (98%)

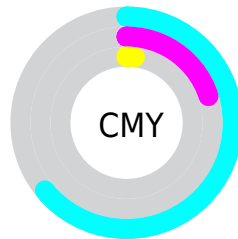


Cyan (63%)

Magenta (18%)

Yellow (0%)

Black (2%)



Cyan (64%)

Magenta (20%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2494, 0.2232, 0.2711 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 52.2494, 0.2232, 0.2711 by changing the saturation by 10% instead.

52.2494, 0.2232,
0.2711

52.2494, 0.2232,
0.2711

395.3987, 0.2652,
0.3000

37.2039, 0.2136,
0.2641

93.4989, 0.2378,
0.2815

25.3654, 0.2018,
0.2552

120.4718, 0.2435,
0.2854

16.3495, 0.1871,
0.2438

152.1892, 0.2484,
0.2887

9.7718, 0.1681,
0.2284

189.0356, 0.2526,
0.2916

5.2479, 0.1432,
0.2071

231.3953, 0.2563,
0.2941

2.3935, 0.1101,
0.1762

279.6528, 0.2596,

0.8225, 0.0517,

0.2963

0.1319

334.1925, 0.2626,
0.2982

0.0000, 0.0000,
0.0000

52.2494, 0.2232,
0.2711

52.2494, 0.2232,
0.2711

47.8871, 0.2136,
0.2602

57.1894, 0.2346,
0.2817

44.0514, 0.2060,
0.2493

62.7408, 0.2476,
0.2920

40.6895, 0.2004,
0.2385

68.9408, 0.2617,
0.3017

38.6815, 0.1977,
0.2315

75.8215, 0.2766,
0.3107

83.4125, 0.2919,
0.3190

91.7416, 0.3074,
0.3266

98.8011, 0.3162,
0.3335

99.6214, 0.3162,
0.3347

Harmonies

Analogous

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



52.2494, 0.2288, 0.3089



52.2494, 0.2232, 0.2711



52.2494, 0.2388, 0.2521

Triad

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



52.2494, 0.2232, 0.2711



52.2494, 0.3707, 0.2999



52.2494, 0.3471, 0.4189

Complementary

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



52.2494, 0.2232, 0.2711



38.5557, 0.4830, 0.3740

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.



52.2494, 0.3888, 0.4076



52.2494, 0.2232, 0.2711



52.2494, 0.4043, 0.3379

Square

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



52.2494, 0.2232, 0.2711



52.2494, 0.3215, 0.2696



52.2494, 0.4106, 0.3767



52.2494, 0.2982, 0.4011

Rectangle

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



52.2494, 0.2232, 0.2711



52.2494, 0.2600, 0.2502



52.2494, 0.4106, 0.3767



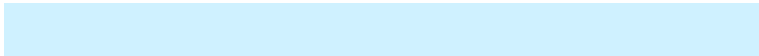
52.2494, 0.3625, 0.4181

Sweetspot

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



52.2513, 0.2232, 0.2711



83.4381, 0.2833, 0.3144



71.7736, 0.2857, 0.4808



17.3777, 0.2789, 0.3120



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.



52.2513, 0.2232, 0.2711



49.3981, 0.2114, 0.2573



23.8226, 0.1982, 0.1639



18.7228, 0.2980, 0.3221



20.9545, 0.1981, 0.2333



2.1214, 0.2017, 0.2461

Inverse Universe

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



32.0063, 0.3675, 0.2189



28.7760, 0.3827, 0.2066



69.4096, 0.4221, 0.4492



17.4352, 0.3182, 0.3122



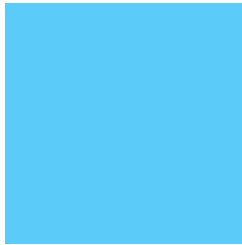
12.5263, 0.4092, 0.2028



1.1784, 0.3962, 0.1956

Previews

White Background



This preview shows how the Yxy color 52.2494, 0.2232, 0.2711 looks on a white background.

Color Contrast Check

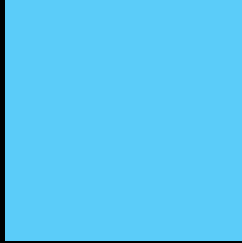
Large Text (above 18pt) WCAG AA × Fail

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 52.2494, 0.2232, 0.2711 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

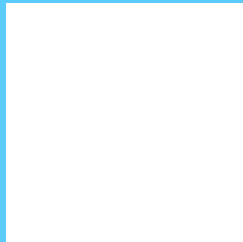
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2494, 0.2232, 0.2711

Background



This preview shows how black text looks on a background with the Yxy color 52.2494, 0.2232, 0.2711.

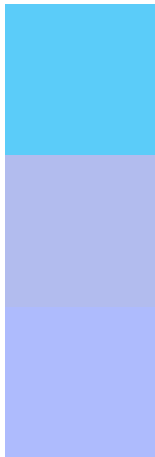


This preview shows how white text looks on a background with the Yxy color 52.2494, 0.2232, 0.2711.

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

52.2494, 0.2232, 0.2711

Protanopia

51.6045, 0.2704, 0.2695

Deuteranopia

51.6312, 0.2587, 0.2522



Tritanopia

52.2103, 0.2305, 0.3056

Trichromacy



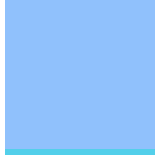
Original Color

52.2494, 0.2232, 0.2711



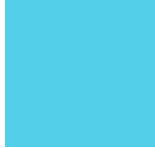
Protanomaly

51.1054, 0.2487, 0.2695



Deuteranomaly

51.0975, 0.2423, 0.2572



Tritanomaly

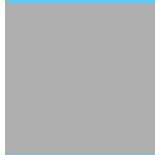
52.4052, 0.2276, 0.2929

Monochromacy



Original Color

52.2494, 0.2232, 0.2711



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.3114, 0.2692, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2494, 0.2232, 0.2711 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(91, 204, 249)` looks like.

```
.text, #text, p{  
    color:rgb(91, 204, 249)  
}
```

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(91, 204, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 204, 249) }
```

Border

The CSS property to change the border of an element to Yxy 52.2494, 0.2232, 0.2711 is called "border". The border property can be set on classes, ids or directly on the HTML element.

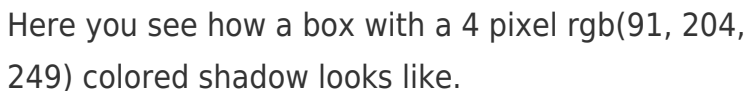
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 204, 249) }
```

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

```
.border{ border-color:rgb(91, 204, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 204, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 204, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 204, 249); box-shadow:4px 4px 4px 4px rgb(91, 204, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2494, 0.2232, 0.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 204, 249) }
```

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

```
.background{ background-color: rgb(91, 204,  
249) }
```

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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