

Converting Colors

$Y_{xy}(53.0006, 0.2179, 0.2727)$

Have a look what the booklet for
Yxy(53.0006, 0.2179, 0.2727)
contains.

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Color

Yxy(52.9684, 0.2178, 0.2722)

Conversions

Conversions Part 1

Format	Color
Hex	48CFFB
RGB	72, 207, 251
RGB Percent	28%, 81%, 98%
CMY	0.7185, 0.1881, 0.0157
CMYK	0.71, 0.18, 0.00, 0.02
HSL	195°, 96%, 63%
HSV	195°, 71%, 98%
XYZ	42.3825, 52.9684, 99.2428
YIQ	171.6510, -94.5840, -14.9360

Conversions

Conversions Part 2

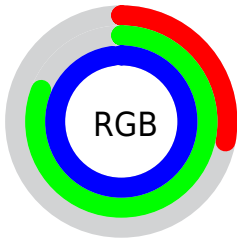
Format	Color
R_{YB}	72, 149, 251
Decimal	4771835
CIE _{Lab}	77.86, -22.56, -32.09
CIE _{LCh}	78, 39.230, 234.891
Yxy	52.9684, 0.2178, 0.2722
Android (android.graphics.Color)	4282961915 (0xFF48CFFB)
YUV	171.6510, 39.1191, -87.3939
Hunter-Lab	72.7794, -23.4159, -29.9029

Details

The Yxy color **52.9684, 0.2178, 0.2722** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **33.4004, 0.5204, 0.3686**, and the grayscale version is **40.8743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **26.6775, 0.2054, 0.2593** is the 20% darker color. If you saturate the color by 10%, you get **49.2721, 0.2104, 0.2630**, and if you desaturate by 10%, it is **57.1777, 0.2272, 0.2814**.

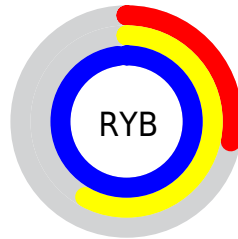
Distribution



Red (28%)

Green (81%)

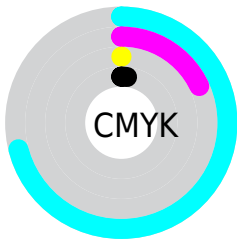
Blue (98%)



Red (28%)

Yellow (58%)

Blue (98%)

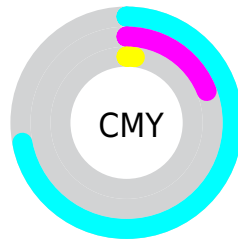


Cyan (71%)

Magenta (18%)

Yellow (0%)

Black (2%)



Cyan (72%)


Magenta (19%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.9684, 0.2178, 0.2722 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 52.9684, 0.2178, 0.2722 by changing the saturation by 10% instead.


 52.9684, 0.2178,
0.2722

 52.9684, 0.2178,
0.2722


398.1639, 0.2621,
0.3007

 37.7775, 0.2078,
0.2652

 94.5579, 0.2331,
0.2825

 25.8101, 0.1955,
0.2565

 121.7253, 0.2391,
0.2864

 16.6816, 0.1802,
0.2450


 153.6536, 0.2443,
0.2897

 10.0078, 0.1607,
0.2298

 190.7274, 0.2487,
0.2925

 5.4041, 0.1353,
0.2085

233.3309, 0.2527,
0.2949

 2.4863, 0.1020,
0.1777

281.8485, 0.2562,

 0.8697, 0.0425,

0.2971

0.1340

336.6647, 0.2593,
0.2990

■ 0.0000, 0.0000,
0.0000

■ 52.9684, 0.2178,
0.2722

■ 52.9684, 0.2178,
0.2722

■ 49.2721, 0.2104,
0.2630

■ 57.1777, 0.2272,
0.2814

■ 46.0306, 0.2050,
0.2538

■ 61.9385, 0.2384,
0.2904

■ 43.5395, 0.2017,
0.2460

■ 67.2911, 0.2511,
0.2990

■ 73.2700, 0.2650,
0.3071

■ 79.9068, 0.2798,
0.3148

87.2304, 0.2950,
0.3218

95.2680, 0.3105,
0.3282

99.7440, 0.3150,
0.3328

Harmonies

Analogous

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



52.9684, 0.2269, 0.3146



52.9684, 0.2178, 0.2722



52.9684, 0.2310, 0.2494

Triad

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



52.9684, 0.2178, 0.2722



52.9684, 0.3671, 0.2929



52.9684, 0.3561, 0.4245

Complementary

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



52.9684, 0.2178, 0.2722



33.4004, 0.5204, 0.3686

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.



52.9684, 0.3980, 0.4081



52.9684, 0.2178, 0.2722



52.9684, 0.4063, 0.3320

Square

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



52.9684, 0.2178, 0.2722



52.9684, 0.3140, 0.2628



52.9684, 0.4174, 0.3732



52.9684, 0.3045, 0.4106

Rectangle

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



52.9684, 0.2178, 0.2722



52.9684, 0.2514, 0.2457



52.9684, 0.4174, 0.3732



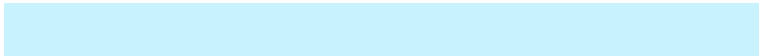
52.9684, 0.3718, 0.4219

Sweetspot

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



52.9703, 0.2178, 0.2722



83.1235, 0.2804, 0.3150



71.5590, 0.2885, 0.5140



17.3683, 0.2762, 0.3130



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.



52.9703, 0.2178, 0.2722



49.4592, 0.2076, 0.2586



21.6609, 0.1877, 0.1521



18.8449, 0.2980, 0.3230



23.1301, 0.2021, 0.2475



2.3078, 0.2051, 0.2584

Inverse Universe

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



29.6178, 0.3681, 0.2044



26.7304, 0.3829, 0.1952



63.7749, 0.4414, 0.4516



17.4475, 0.3176, 0.3113



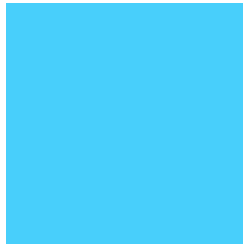
12.7459, 0.3947, 0.1948



1.1972, 0.3840, 0.1889

Previews

White Background



This preview shows how the Yxy color 52.9684, 0.2178, 0.2722 looks on a white background.

Color Contrast Check

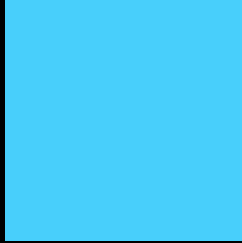
Large Text (above 18pt) WCAG AA × Fail

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 52.9684, 0.2178, 0.2722 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 52.9684, 0.2178, 0.2722

Background



This preview shows how black text looks on a background with the Yxy color 52.9684, 0.2178, 0.2722.



This preview shows how white text looks on a background with the Yxy color 52.9684, 0.2178, 0.2722.

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

52.9684, 0.2178, 0.2722

Protanopia

52.1519, 0.2712, 0.2708

Deuteranopia

52.1851, 0.2577, 0.2515



Tritanopia

53.0022, 0.2241, 0.3056

Trichromacy



Original Color

52.9684, 0.2178, 0.2722



Protanomaly

51.5264, 0.2453, 0.2704



Deuteranomaly

51.5043, 0.2381, 0.2570



Tritanomaly

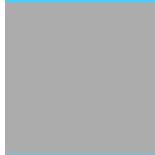
53.1414, 0.2219, 0.2940

Monochromacy



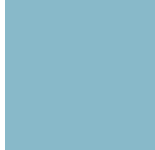
Original Color

52.9684, 0.2178, 0.2722



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

44.1492, 0.2643, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9684, 0.2178, 0.2722 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(72, 207, 251)` looks like.

```
.text, #text, p{  
    color:rgb(72, 207, 251)  
}
```

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(72, 207, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 207, 251) }
```

Border

The CSS property to change the border of an element to Yxy 52.9684, 0.2178, 0.2722 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(72, 207, 251) }
```

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

```
.border{ border-color:rgb(72, 207, 251) }
```

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

Here you see how a box with a 4 pixel rgb(72, 207, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 207, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 207, 251);  
box-shadow:4px 4px 4px 4px rgb(72, 207,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9684, 0.2178, 0.2722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 207, 251) }
```

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

```
.background{ background-color: rgb(72, 207,  
251) }
```

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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