

Converting Colors

$Yxy(52.7742, 0.2385, 0.3060)$

Have a look what the booklet for
Yxy(52.7742, 0.2385, 0.3060)
contains.

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Color

Yxy(52.7742, 0.2385, 0.3060)

Conversions

Conversions Part 1

Format	Color
Hex	65CFE0
RGB	101, 207, 224
RGB Percent	40%, 81%, 88%
CMY	0.6041, 0.1882, 0.1215
CMYK	0.55, 0.08, 0.00, 0.12
HSL	188°, 67%, 64%
HSV	188°, 55%, 88%
XYZ	41.1328, 52.7742, 78.5577
YIQ	177.2440, -68.6330, -17.1850

Conversions

Conversions Part 2

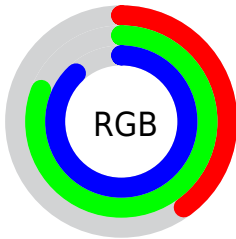
Format	Color
RYB	101, 158, 224
Decimal	6672352
CIELab	77.74, -25.86, -17.76
CIELCh	78, 31.369, 214.475
Yxy	52.7742, 0.2385, 0.3060
Android (android.graphics.Color)	4284862432 (0xFF65CFE0)
YUV	177.2440, 23.0507, -66.8660
Hunter-Lab	72.6459, -26.0617, -13.2628

Details

The Yxy color **52.7742, 0.2385, 0.3060** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.7416, 0.4641, 0.3488**, and the grayscale version is **44.0008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **25.5823, 0.2198, 0.2976** is the 20% darker color. If you saturate the color by 10%, you get **50.1685, 0.2294, 0.3011**, and if you desaturate by 10%, it is **55.7656, 0.2494, 0.3107**.

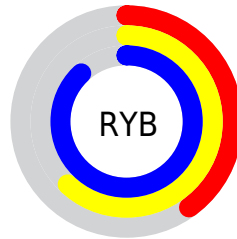
Distribution



Red (40%)

Green (81%)

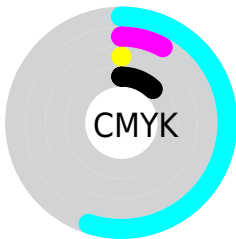
Blue (88%)



Red (40%)

Yellow (62%)

Blue (88%)

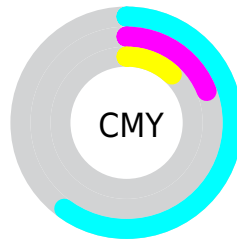


Cyan (55%)

Magenta (8%)

Yellow (0%)

Black (12%)



Cyan (60%)

Magenta (19%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.7742, 0.2385, 0.3060 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 52.7742, 0.2385, 0.3060 by changing the saturation by 10% instead.

■ 52.7742, 0.2385,
0.3060

■ 52.7742, 0.2385,
0.3060

■ 397.4182, 0.2738,
0.3182

■ 37.6225, 0.2303,
0.3028

■ 94.2720, 0.2509,
0.3106

■ 25.6899, 0.2201,
0.2986

■ 121.3870, 0.2557,
0.3122

■ 16.5918, 0.2070,
0.2930

■ 153.2585, 0.2598,
0.3136

■ 9.9439, 0.1899,
0.2850

■ 190.2710, 0.2633,
0.3148

■ 5.3618, 0.1667,
0.2729

■ 232.8088, 0.2664,
0.3158

■ 2.4610, 0.1338,
0.2532

■ 281.2563, 0.2692,

■ 0.8570, 0.0483,

0.3167

0.2260

335.9980, 0.2716,
0.3175

0.0000, 0.0000,
0.0000

52.7742, 0.2385,
0.3060

52.7742, 0.2385,
0.3060

50.1685, 0.2294,
0.3011

55.7656, 0.2494,
0.3107

47.9131, 0.2222,
0.2962

59.1631, 0.2617,
0.3153

45.9756, 0.2169,
0.2913


62.9923, 0.2754,
0.3196

44.3140, 0.2135,
0.2865

67.2752, 0.2899,
0.3236


43.5428, 0.2122,
0.2840

72.0321, 0.3051,
0.3273

 77.2820, 0.3206,
0.3307

 82.5128, 0.3342,
0.3337

 84.2397, 0.3338,
0.3368

 85.9973, 0.3334,
0.3398

Harmonies

Analogous

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



52.7742, 0.2587, 0.3466



52.7742, 0.2385, 0.3060



52.7742, 0.2367, 0.2758

Triad

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



52.7742, 0.2385, 0.3060



52.7742, 0.3280, 0.2817



52.7742, 0.3727, 0.3993

Complementary

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



52.7742, 0.2385, 0.3060



29.7416, 0.4641, 0.3488

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.



52.7742, 0.3944, 0.3759



52.7742, 0.2385, 0.3060



52.7742, 0.3682, 0.3097

Square

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



52.7742, 0.2385, 0.3060



52.7742, 0.2860, 0.2645



52.7742, 0.3930, 0.3433



52.7742, 0.3355, 0.4039

Rectangle

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



52.7742, 0.2385, 0.3060



52.7742, 0.2459, 0.2646



52.7742, 0.3930, 0.3433



52.7742, 0.3821, 0.3931

Sweetspot

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



52.7762, 0.2385, 0.3060



89.5188, 0.2882, 0.3231



57.3829, 0.2968, 0.4830



18.8981, 0.2851, 0.3223



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.



52.7762, 0.2385, 0.3060



66.7900, 0.2282, 0.3004



28.7305, 0.2199, 0.2170



15.2321, 0.2982, 0.3257



25.4648, 0.2124, 0.2848



1.8553, 0.2145, 0.2922

Inverse Universe

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



29.6557, 0.3366, 0.2139



33.8385, 0.3428, 0.1961



48.9908, 0.4192, 0.4175



13.9013, 0.3159, 0.3090



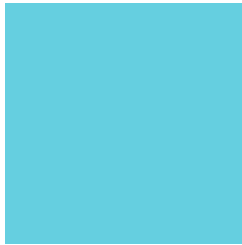
11.4787, 0.3591, 0.1752



0.8048, 0.3523, 0.1715

Previews

White Background



This preview shows how the Yxy color 52.7742, 0.2385, 0.3060 looks on a white background.

Color Contrast Check

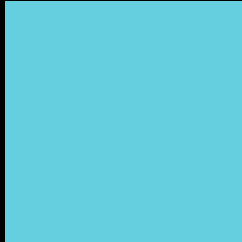
Large Text (above 18pt) WCAG AA × Fail

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 52.7742, 0.2385, 0.3060 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 52.7742, 0.2385, 0.3060

Background



This preview shows how black text looks on a background with the Yxy color 52.7742, 0.2385, 0.3060.

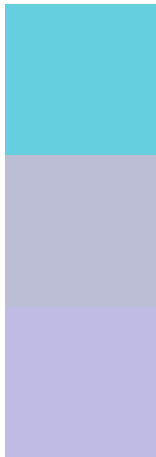


This preview shows how white text looks on a background with the Yxy color 52.7742, 0.2385, 0.3060.

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

52.7742, 0.2385, 0.3060

Protanopia

52.3224, 0.2943, 0.3010

Deuteranopia

52.2185, 0.2861, 0.2805



Tritanopia

52.7742, 0.2385, 0.3060

Trichromacy



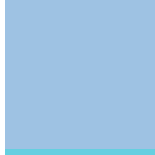
Original Color

52.7742, 0.2385, 0.3060



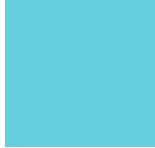
Protanomaly

51.5575, 0.2693, 0.3020



Deuteranomaly

51.3987, 0.2644, 0.2875



Tritanomaly

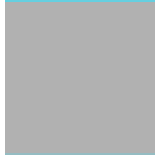
52.7742, 0.2385, 0.3060

Monochromacy



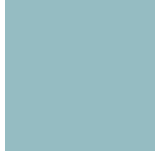
Original Color

52.7742, 0.2385, 0.3060



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.2510, 0.2782, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7742, 0.2385, 0.3060 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(101, 207, 224)` looks like.

```
.text, #text, p{  
    color:rgb(101, 207, 224)  
}
```

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(101, 207, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 207, 224) }
```

Border

The CSS property to change the border of an element to Yxy 52.7742, 0.2385, 0.3060 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(101, 207, 224) }
```

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

```
.border{ border-color:rgb(101, 207, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 207, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 207, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 207, 224);  
box-shadow:4px 4px 4px 4px rgb(101, 207,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7742, 0.2385, 0.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 207, 224) }
```

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

```
.background{ background-color: rgb(101,  
207, 224) }
```

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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