

Converting Colors

$Yxy(50.7725, 0.2424, 0.3288)$

Have a look what the booklet for
Yxy(50.7725, 0.2424, 0.3288)
contains.

Yxy(50.7725, 0.2424, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.7725, 0.2424, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	5ACECE
RGB	90, 206, 206
RGB Percent	35%, 81%, 81%
CMY	0.6469, 0.1922, 0.1922
CMYK	0.56, 0.00, 0.00, 0.19
HSL	180°, 54%, 58%
HSV	180°, 56%, 81%
XYZ	37.4308, 50.7725, 66.2143
YIQ	171.3160, -69.1360, -24.5920

Conversions

Conversions Part 2

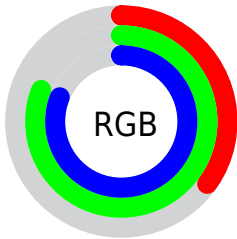
Format	Color
RYB	90, 148, 206
Decimal	5951182
CIELab	76.54, -32.39, -9.89
CIELCh	77, 33.866, 196.981
Yxy	50.7725, 0.2424, 0.3288
Android (android.graphics.Color)	4284141262 (0xFF5ACECE)
YUV	171.3160, 17.0992, -71.3141
Hunter-Lab	71.2548, -30.9282, -5.2174

Details

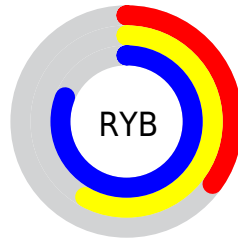
The Yxy color **50.7725, 0.2424, 0.3288** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.1820, 0.4816, 0.3295**, and the grayscale version is **40.8374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **24.4002, 0.2241, 0.3268** is the 20% darker color. If you saturate the color by 10%, you get **49.8799, 0.2353, 0.3288**, and if you desaturate by 10%, it is **51.9552, 0.2514, 0.3288**.

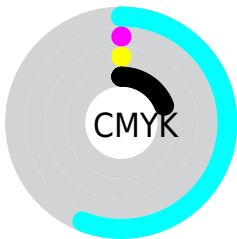
Distribution



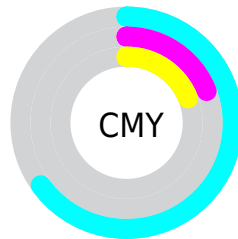
- Red (35%)
- Green (81%)
- Blue (81%)



- Red (35%)
- Yellow (58%)
- Blue (81%)



- Cyan (56%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)




- Cyan (65%)
- Magenta (19%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7725, 0.2424, 0.3288 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 50.7725, 0.2424, 0.3288 by changing the saturation by 10% instead.


 50.7725, 0.2424,
0.3288


 50.7725, 0.2424,
0.3288


389.6793, 0.2763,
0.3297


 36.0276, 0.2344,
0.3283


 91.3184, 0.2544,
0.3293

 24.4555, 0.2243,
0.3276

 117.8882, 0.2590,
0.3295

 15.6719, 0.2113,
0.3264


 149.1684, 0.2629,
0.3296

 9.2923, 0.1940,
0.3242

 185.5434, 0.2663,
0.3296

 4.9323, 0.1699,
0.3203

227.3975, 0.2693,
0.3297

 2.2076, 0.1349,
0.3121

275.1153, 0.2719,

 0.7241, 0.0000,

0.3297

0.3146

329.0811, 0.2742,
0.3297

0.0000, 0.0000,
0.0000

50.7725, 0.2424,
0.3288

50.7725, 0.2424,
0.3288

49.8799, 0.2353,
0.3288

51.9552, 0.2514,
0.3288

49.2474, 0.2301,
0.3288

53.4437, 0.2622,
0.3289

48.8485, 0.2268,
0.3288

55.2594, 0.2746,
0.3289

48.6473, 0.2251,
0.3288

57.4203, 0.2883,
0.3289

48.5979, 0.2247,
0.3288

59.9427, 0.3030,
0.3290

■ 62.8423, 0.3185,
0.3290

■ 66.1336, 0.3345,
0.3291

■ 69.8305, 0.3506,
0.3291

■ 69.8587, 0.3508,
0.3291

Harmonies

Analogous

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



50.7725, 0.2744, 0.3740



50.7725, 0.2424, 0.3288



50.7725, 0.2288, 0.2879

Triad

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



50.7725, 0.2424, 0.3288



50.7725, 0.3019, 0.2651



50.7725, 0.3946, 0.3922

Complementary

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



50.7725, 0.2424, 0.3288



21.1820, 0.4816, 0.3295

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.



50.7725, 0.4045, 0.3595



50.7725, 0.2424, 0.3288



50.7725, 0.3488, 0.2891

Square

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



50.7725, 0.2424, 0.3288



50.7725, 0.2610, 0.2552



50.7725, 0.3875, 0.3226



50.7725, 0.3624, 0.4111

Rectangle

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



50.7725, 0.2424, 0.3288



50.7725, 0.2310, 0.2689



50.7725, 0.3875, 0.3226



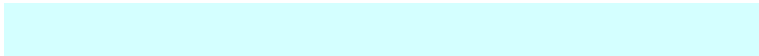
50.7725, 0.4008, 0.3823

Sweetspot

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



50.7744, 0.2424, 0.3288



92.6849, 0.2870, 0.3289



47.1559, 0.3054, 0.5083



19.6783, 0.2841, 0.3289



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.



50.7744, 0.2424, 0.3288



80.5153, 0.2338, 0.3288



28.4318, 0.2241, 0.2426



12.7271, 0.2984, 0.3290



29.9253, 0.2247, 0.3288



1.5438, 0.2247, 0.3288

Inverse Universe

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



21.1820, 0.4816, 0.3295



27.8377, 0.5416, 0.3297



34.4473, 0.4352, 0.3987



11.2137, 0.3290, 0.3290



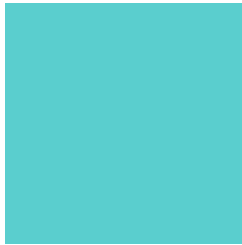
8.0800, 0.6401, 0.3300



0.4168, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 50.7725, 0.2424, 0.3288 looks on a white background.

Color Contrast Check

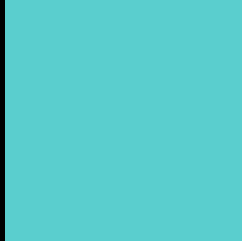
Large Text (above 18pt) WCAG AA × Fail

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 50.7725, 0.2424, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

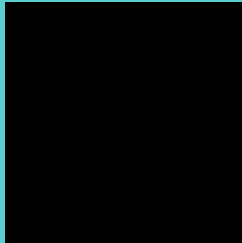
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

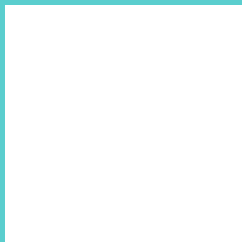
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.7725, 0.2424, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 50.7725, 0.2424, 0.3288.

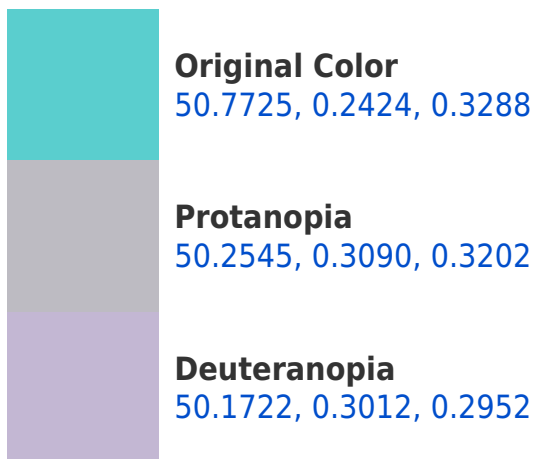


This preview shows how white text looks on a background with the Yxy color 50.7725, 0.2424, 0.3288.

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





Tritanopia

50.8398, 0.2375, 0.3070

Trichromacy



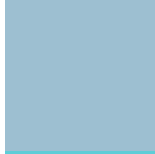
Original Color

50.7725, 0.2424, 0.3288



Protanomaly

49.4331, 0.2790, 0.3236



Deuteranomaly

49.0332, 0.2743, 0.3054



Tritanomaly

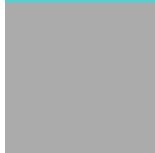
50.9486, 0.2393, 0.3150

Monochromacy



Original Color

50.7725, 0.2424, 0.3288



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

43.4925, 0.2794, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7725, 0.2424, 0.3288 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(90, 206, 206)` looks like.

```
.text, #text, p{  
    color:rgb(90, 206, 206)  
}
```

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(90, 206, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 206, 206) }
```

Border

The CSS property to change the border of an element to Yxy 50.7725, 0.2424, 0.3288 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(90, 206, 206) }
```

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

```
.border{ border-color:rgb(90, 206, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 206, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 206, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 206, 206);  
box-shadow:4px 4px 4px 4px rgb(90, 206,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7725, 0.2424, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 206, 206) }
```

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

```
.background{ background-color: rgb(90, 206,  
206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor