

Converting Colors

$Yxy(45.5646, 0.2377, 0.3024)$

Have a look what the booklet for
Yxy(45.5646, 0.2377, 0.3024)
contains.

Yxy(45.7699, 0.2379, 0.3033)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.7699, 0.2379, 0.3033)

Conversions

Conversions Part 1

Format	Color
Hex	5FC2D4
RGB	95, 194, 212
RGB Percent	37%, 76%, 83%
CMY	0.6272, 0.2392, 0.1686
CMYK	0.55, 0.08, 0.00, 0.17
HSL	189°, 58%, 60%
HSV	189°, 55%, 83%
XYZ	35.9006, 45.7699, 69.2358
YIQ	166.4510, -64.7820, -15.3900

Conversions

Conversions Part 2

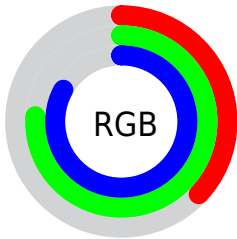
Format	Color
RYB	95, 149, 212
Decimal	6275796
CIELab	73.40, -23.90, -17.85
CIELCh	73, 29.829, 216.762
Yxy	45.7699, 0.2379, 0.3033
Android (android.graphics.Color)	4284465876 (0xFF5FC2D4)
YUV	166.4510, 22.4557, -62.6625
Hunter-Lab	67.6535, -23.6717, -13.3193

Details

The Yxy color **45.7699, 0.2379, 0.3033** 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 **26.6556, 0.4628, 0.3511**, and the grayscale version is **38.2846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0844, 0.2572, 0.3244**, and **21.3611, 0.2183, 0.2953** is the 20% darker color. If you saturate the color by 10%, you get **43.3477, 0.2286, 0.2979**, and if you desaturate by 10%, it is **48.5365, 0.2489, 0.3086**.

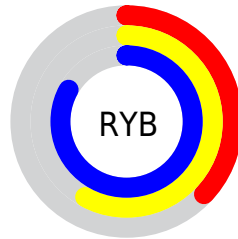
Distribution



Red (37%)

Green (76%)

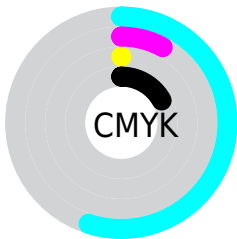
Blue (83%)



Red (37%)

Yellow (58%)

Blue (83%)

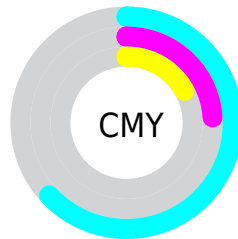


Cyan (55%)

Magenta (8%)

Yellow (0%)

Black (17%)



Cyan (63%)


Magenta (24%)


Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7699, 0.2379, 0.3033 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 45.7699, 0.2379, 0.3033 by changing the saturation by 10% instead.


 45.7699, 0.2379,
0.3033

 45.7699, 0.2379,
0.3033

369.8828, 0.2743,
0.3171


 32.0643, 0.2292,
0.2996


 83.8745, 0.2509,
0.3085

 21.4106, 0.2182,
0.2947


 109.0423, 0.2558,
0.3104

 13.4245, 0.2040,
0.2880


 138.7996, 0.2600,
0.3120

 7.7215, 0.1851,
0.2784

 173.5309, 0.2637,
0.3133

 3.9173, 0.1589,
0.2634

213.6204, 0.2668,
0.3145

 1.6274, 0.1209,
0.2381

259.4526, 0.2696,

 0.3760, 0.0000,

0.3155

0.1699

311.4120, 0.2721,
0.3163

0.0000, 0.0000,
0.0000

45.7699, 0.2379,
0.3033

45.7699, 0.2379,
0.3033

43.3477, 0.2286,
0.2979

48.5365, 0.2489,
0.3086

41.2387, 0.2212,
0.2924

51.6653, 0.2614,
0.3137

39.4148, 0.2158,
0.2869

55.1790, 0.2751,
0.3184

37.8391, 0.2121,
0.2814

59.0966, 0.2896,
0.3229

37.1336, 0.2108,
0.2788

63.4361, 0.3048,
0.3270

■ 68.2141, 0.3202,
0.3308

■ 73.4464, 0.3357,
0.3341

■ 77.2659, 0.3438,
0.3373

■ 78.9986, 0.3432,
0.3406

Harmonies

Analogous

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



45.7699, 0.2567, 0.3433



45.7699, 0.2379, 0.3033



45.7699, 0.2376, 0.2743

Triad

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



45.7699, 0.2379, 0.3033



45.7699, 0.3313, 0.2836



45.7699, 0.3701, 0.4002

Complementary

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



45.7699, 0.2379, 0.3033



26.6556, 0.4628, 0.3511

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.



45.7699, 0.3932, 0.3780



45.7699, 0.2379, 0.3033



45.7699, 0.3706, 0.3122

Square

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



45.7699, 0.2379, 0.3033



45.7699, 0.2891, 0.2655



45.7699, 0.3938, 0.3459



45.7699, 0.3322, 0.4030

Rectangle

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



45.7699, 0.2379, 0.3033



45.7699, 0.2476, 0.2640



45.7699, 0.3938, 0.3459



45.7699, 0.3799, 0.3945

Sweetspot

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



45.7716, 0.2379, 0.3033



88.4977, 0.2866, 0.3220



50.7124, 0.2958, 0.4803



18.6783, 0.2836, 0.3211



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.



45.7716, 0.2379, 0.3033



65.3098, 0.2274, 0.2970



24.7987, 0.2192, 0.2139



13.7667, 0.2983, 0.3253



23.0415, 0.2110, 0.2796



1.4798, 0.2136, 0.2890

Inverse Universe

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



26.0904, 0.3388, 0.2156



33.6890, 0.3456, 0.1981



43.9826, 0.4179, 0.4196



12.5983, 0.3161, 0.3095



10.6709, 0.3639, 0.1778



0.6527, 0.3553, 0.1731

Previews

White Background



This preview shows how the Yxy color 45.7699, 0.2379, 0.3033 looks on a white background.

Color Contrast Check

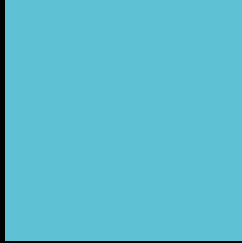
Large Text (above 18pt) WCAG AA × Fail

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 45.7699, 0.2379, 0.3033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

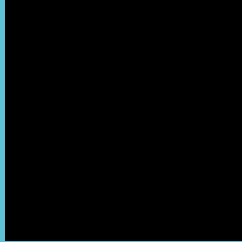
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7699, 0.2379, 0.3033

Background



This preview shows how black text looks on a background with the Yxy color 45.7699, 0.2379, 0.3033.



This preview shows how white text looks on a background with the Yxy color 45.7699, 0.2379, 0.3033.

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

45.7699, 0.2379, 0.3033

Protanopia

45.2879, 0.2932, 0.2993

Deuteranopia

45.0828, 0.2838, 0.2776



Tritanopia

45.6164, 0.2384, 0.3060

Trichromacy



Original Color

45.7699, 0.2379, 0.3033

Protanomaly

44.8918, 0.2690, 0.3005

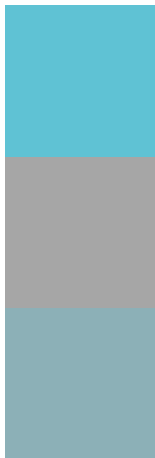
Deuteranomaly

44.6581, 0.2631, 0.2852

Tritanomaly

45.6664, 0.2379, 0.3047

Monochromacy



Original Color

45.7699, 0.2379, 0.3033

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

40.0450, 0.2777, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7699, 0.2379, 0.3033 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(95, 194, 212)` looks like.

```
.text, #text, p{  
    color:rgb(95, 194, 212)  
}
```

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(95, 194, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 194, 212) }
```

Border

The CSS property to change the border of an element to Yxy 45.7699, 0.2379, 0.3033 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(95, 194, 212) }
```

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

```
.border{ border-color:rgb(95, 194, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 194, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 194, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 194, 212);  
box-shadow:4px 4px 4px 4px rgb(95, 194,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7699, 0.2379, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 194, 212) }
```

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

```
.background{ background-color: rgb(95, 194,  
212) }
```

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