

# Converting Colors

$Y_{xy}(45.7649, 0.2383, 0.3244)$

Have a look what the booklet for  
Yxy(45.7649, 0.2383, 0.3244)  
contains.

<b>Yxy(45.7649, 0.2383, 0.3244)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	27
<i><b>CSS Examples</b></i>	30

# Color

**Yxy(45.7649, 0.2383, 0.3244)**

# Conversions

Conversions Part 1	
Format	Color
Hex	4FC5C8
RGB	79, 197, 200
RGB Percent	31%, 77%, 78%
CMY	0.6899, 0.2275, 0.2158
CMYK	0.60, 0.01, 0.00, 0.22
HSL	181°, 52%, 55%
HSV	181°, 60%, 78%
XYZ	33.6183, 45.7649, 61.6923
YIQ	162.0600, -71.2910, -24.0830

# Conversions

## Conversions Part 2

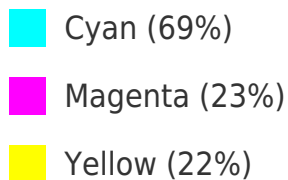
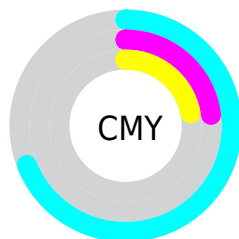
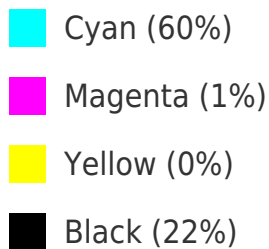
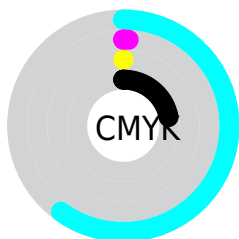
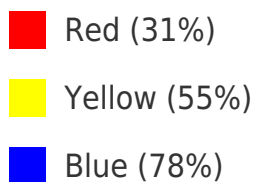
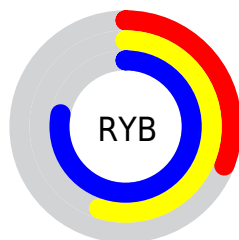
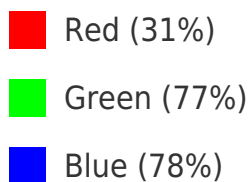
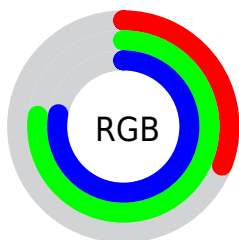
Format	Color
<a href="#">RYB</a>	<a href="#">79, 139, 200</a>
Decimal	<a href="#">5227976</a>
CIELab	<a href="#">73.39, -31.71, -11.37</a>
CIELCh	<a href="#">73, 33.688, 199.726</a>
Yxy	<a href="#">45.7649, 0.2383, 0.3244</a>
Android (android.graphics.Color)	<a href="#">4283418056</a> (0xFF4FC5C8)
YUV	<a href="#">162.0600, 18.7044, -72.8436</a>
Hunter-Lab	<a href="#">67.6498, -29.6822, -6.7139</a>

# Details

The Yxy color **45.7649, 0.2383, 0.3244** 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 **18.8854, 0.4982, 0.3331**, and the grayscale version is **36.1058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6791, 0.2518, 0.3277**, and **21.7202, 0.2230, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **44.8097, 0.2317, 0.3236**, and if you desaturate by 10%, it is **46.9822, 0.2468, 0.3252**.

# Distribution




# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7649, 0.2383, 0.3244 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 45.7649, 0.2383, 0.3244 by changing the saturation by 10% instead.





 45.7649, 0.2383,  
0.3244

 45.7649, 0.2383,  
0.3244

369.8627, 0.2747,  
0.3277


 32.0603, 0.2295,  
0.3233


 83.8670, 0.2513,  
0.3258


 21.4076, 0.2184,  
0.3217


 109.0334, 0.2563,  
0.3263

 13.4223, 0.2041,  
0.3192


 138.7892, 0.2605,  
0.3267

 7.7200, 0.1847,  
0.3153

 173.5187, 0.2641,  
0.3269

 3.9163, 0.1576,  
0.3083

213.6064, 0.2673,  
0.3272

 1.6268, 0.1152,  
0.2951


259.4367, 0.2700,

 0.3756, 0.0000,

0.3274


0.2348

311.3940, 0.2725,  
0.3276

 0.0000, 0.0000,  
0.0000

 45.7649, 0.2383,  
0.3244


 45.7649, 0.2383,  
0.3244


 44.8097, 0.2317,  
0.3236


 46.9822, 0.2468,  
0.3252

 44.0876, 0.2270,  
0.3227


 48.4775, 0.2571,  
0.3260


 43.5718, 0.2241,  
0.3219


 50.2713, 0.2691,  
0.3268

 43.2213, 0.2226,  
0.3212


 52.3807, 0.2824,  
0.3276

 54.8216, 0.2968,  
0.3283

 57.6089, 0.3120,  
0.3290

 60.7565, 0.3277,  
0.3296

 64.2774, 0.3437,  
0.3301

 67.4066, 0.3564,  
0.3306

# Harmonies

## Analogous

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



45.7649, 0.2696, 0.3715



45.7649, 0.2383, 0.3244



45.7649, 0.2263, 0.2835

# Triad

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



45.7649, 0.2383, 0.3244



45.7649, 0.3058, 0.2651



45.7649, 0.3947, 0.3965

# Complementary

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



45.7649, 0.2383, 0.3244



18.8854, 0.4982, 0.3331

# 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.



45.7649, 0.4075, 0.3635



45.7649, 0.2383, 0.3244



45.7649, 0.3541, 0.2908

# Square

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



45.7649, 0.2383, 0.3244



45.7649, 0.2628, 0.2534



45.7649, 0.3925, 0.3257



45.7649, 0.3598, 0.4142



# Rectangle

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



45.7649, 0.2383, 0.3244



45.7649, 0.2298, 0.2651



45.7649, 0.3925, 0.3257



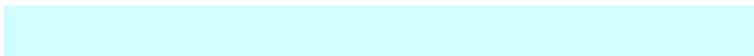
45.7649, 0.4019, 0.3866

# Sweetspot

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



45.7666, 0.2383, 0.3244



91.5898, 0.2855, 0.3278



43.5603, 0.3027, 0.5198



19.3527, 0.2813, 0.3275



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.



45.7666, 0.2383, 0.3244



77.1057, 0.2298, 0.3233



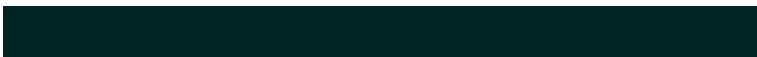
23.8721, 0.2168, 0.2282



12.0209, 0.2984, 0.3284



27.5082, 0.2226, 0.3213



1.3170, 0.2231, 0.3230



# Inverse Universe

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



21.9106, 0.3227, 0.1927



32.4257, 0.3246, 0.1735



32.0524, 0.4429, 0.4075



10.8119, 0.3141, 0.3068



10.3170, 0.3271, 0.1576

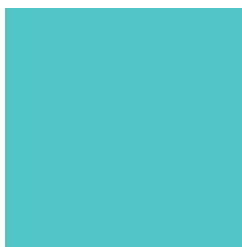


0.4900, 0.3257, 0.1568



# Previews

## White Background



This preview shows how the Yxy color 45.7649, 0.2383, 0.3244 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

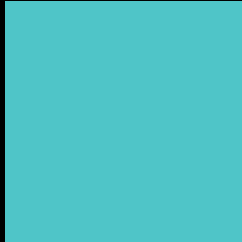
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.7649, 0.2383, 0.3244 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

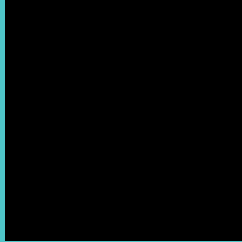
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

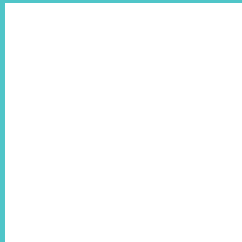
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.7649, 0.2383, 0.3244**

## Background



This preview shows how black text looks on a background with the Yxy color 45.7649, 0.2383, 0.3244.

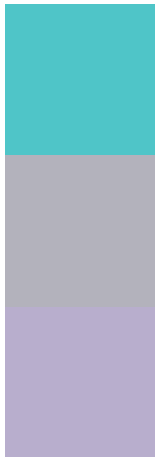


This preview shows how white text looks on a background with the Yxy color 45.7649, 0.2383, 0.3244.

# 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

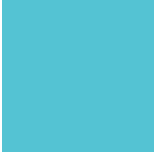
45.7649, 0.2383, 0.3244

### Protanopia

45.0553, 0.3056, 0.3159

### Deuteranopia


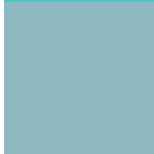
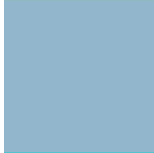
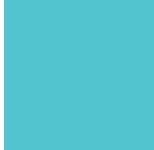
44.8702, 0.2967, 0.2899




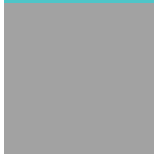
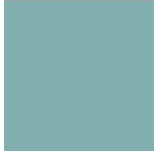
## Tritanopia

45.6182, 0.2342, 0.3059

# Trichromacy

	<b>Original Color</b> 45.7649, 0.2383, 0.3244
	<b>Protanomaly</b> 44.3433, 0.2749, 0.3191
	<b>Deuteranomaly</b> 43.8787, 0.2694, 0.3003
	<b>Tritanomaly</b> 45.7787, 0.2357, 0.3129

# Monochromacy

	<b>Original Color</b> 45.7649, 0.2383, 0.3244
	<b>Achromatopsia</b> 36.1307, 0.3127, 0.3290
	<b>Achromatomaly</b> 38.7001, 0.2765, 0.3274

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.7649, 0.2383, 0.3244 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(79, 197, 200)` looks like.

```
.text, #text, p{  
    color:rgb(79, 197, 200)  
}
```

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(79, 197, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 197, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 45.7649, 0.2383, 0.3244 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(79, 197, 200) }
```

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

```
.border{ border-color:rgb(79, 197, 200) }
```

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

Here you see how a box with a 4 pixel rgb(79, 197, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 197, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 197, 200);  
box-shadow:4px 4px 4px 4px rgb(79, 197,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.7649, 0.2383, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 197, 200) }
```

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

```
.background{ background-color: rgb(79, 197,  
200) }
```

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