

# Converting Colors

$Yxy(45.5331, 0.2550, 0.3269)$

Have a look what the booklet for  
Yxy(45.5331, 0.2550, 0.3269)  
contains.

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# Color

**Yxy(45.4797, 0.2555, 0.3274)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70C1C2
RGB	112, 193, 194
RGB Percent	44%, 76%, 76%
CMY	0.5606, 0.2431, 0.2393
CMYK	0.42, 0.01, 0.00, 0.24
HSL	181°, 40%, 60%
HSV	181°, 42%, 76%
XYZ	35.4919, 45.4797, 57.9401
YIQ	168.8950, -48.5970, -16.8610

# Conversions

## Conversions Part 2

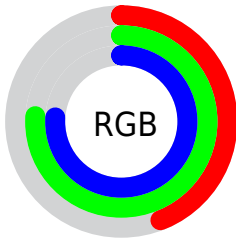
Format	Color
<b>RYB</b>	112, 153, 194
Decimal	7389634
CIELab	73.21, -24.46, -8.27
CIELCh	73, 25.817, 198.673
Yxy	45.4797, 0.2555, 0.3274
Android (android.graphics.Color)	4285579714 (0xFF70C1C2)
YUV	168.8950, 12.3768, -49.8969
Hunter-Lab	67.4386, -24.0757, -3.7321

# Details

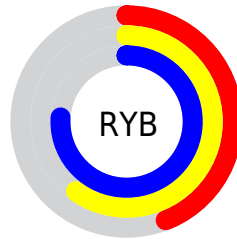
The Yxy color **45.4797, 0.2555, 0.3274** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.4555, 0.4202, 0.3307**, and the grayscale version is **39.5820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5982, 0.2659, 0.3289**, and **21.1709, 0.2399, 0.3268** is the 20% darker color. If you saturate the color by 10%, you get **44.2390, 0.2456, 0.3270**, and if you desaturate by 10%, it is **46.9983, 0.2670, 0.3278**.

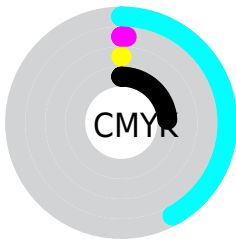
# Distribution



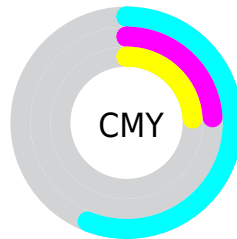
- Red (44%)
- Green (76%)
- Blue (76%)



- Red (44%)
- Yellow (60%)
- Blue (76%)



- Cyan (42%)
- Magenta (1%)
- Yellow (0%)
- Black (24%)




- Cyan (56%)
- Magenta (24%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4797, 0.2555, 0.3274 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 45.4797, 0.2555, 0.3274 by changing the saturation by 10% instead.





 45.4797, 0.2555,  
0.3274

 45.4797, 0.2555,  
0.3274


368.7129, 0.2837,  
0.3288


 31.8354, 0.2486,  
0.3269


 83.4398, 0.2657,  
0.3280

 21.2358, 0.2398,  
0.3261


 108.5244, 0.2695,  
0.3282

 13.2965, 0.2283,  
0.3249


 138.1912, 0.2728,  
0.3284

 7.6330, 0.2125,  
0.3229

172.8247, 0.2756,  
0.3285

 3.8610, 0.1898,  
0.3191

212.8092, 0.2780,  
0.3286

 1.5961, 0.1545,  
0.3111

258.5292, 0.2802,

 0.3550, 0.0000,

0.3287

0.2691

310.3689, 0.2821,  
0.3287

0.0000, 0.0000,  
0.0000

45.4797, 0.2555,  
0.3274

45.4797, 0.2555,  
0.3274

44.2390, 0.2456,  
0.3270

46.9983, 0.2670,  
0.3278

43.2530, 0.2376,  
0.3266

48.8056, 0.2800,  
0.3282

42.5038, 0.2315,  
0.3262


50.9183, 0.2942,  
0.3286

41.9684, 0.2272,  
0.3258


53.3504, 0.3092,  
0.3289

41.6197, 0.2247,  
0.3254

56.1149, 0.3249,  
0.3293

 41.4381, 0.2236,  
0.3251

 59.2241, 0.3408,  
0.3296

 62.6898, 0.3568,  
0.3298

 64.1290, 0.3627,  
0.3301

 64.2341, 0.3626,  
0.3303

# Harmonies

## Analogous

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



45.4797, 0.2808, 0.3624



45.4797, 0.2555, 0.3274



45.4797, 0.2451, 0.2955

# Triad

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



45.4797, 0.2555, 0.3274



45.4797, 0.3065, 0.2782



45.4797, 0.3768, 0.3812

# Complementary

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



45.4797, 0.2555, 0.3274



24.4555, 0.4202, 0.3307

# 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.



45.4797, 0.3853, 0.3559



45.4797, 0.2555, 0.3274



45.4797, 0.3434, 0.2984

# Square

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



45.4797, 0.2555, 0.3274



45.4797, 0.2732, 0.2697



45.4797, 0.3730, 0.3261



45.4797, 0.3508, 0.3940



# Rectangle

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



45.4797, 0.2555, 0.3274



45.4797, 0.2475, 0.2804



45.4797, 0.3730, 0.3261



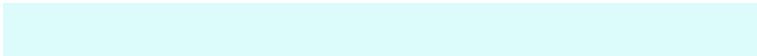
45.4797, 0.3819, 0.3737

# Sweetspot

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



45.4815, 0.2555, 0.3274



91.8693, 0.2928, 0.3285



43.1971, 0.3066, 0.4583



19.9217, 0.2895, 0.3285



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.



45.4815, 0.2555, 0.3274



80.2475, 0.2460, 0.3270



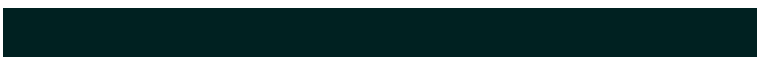
30.1290, 0.2455, 0.2659



11.4069, 0.2984, 0.3287



27.2568, 0.2237, 0.3251



1.1845, 0.2239, 0.3260



# Inverse Universe

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



26.9151, 0.3186, 0.2276



42.0782, 0.3198, 0.2075



35.4259, 0.3964, 0.3840



10.2454, 0.3140, 0.3066



10.0338, 0.3239, 0.1558

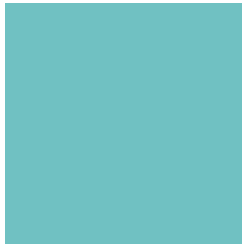


0.4342, 0.3232, 0.1554



# Previews

## White Background



This preview shows how the Yxy color 45.4797, 0.2555, 0.3274 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 45.4797, 0.2555, 0.3274 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

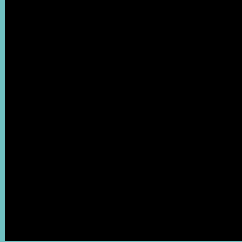
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

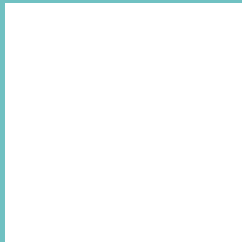
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.4797, 0.2555, 0.3274**

## Background



This preview shows how black text looks on a background with the Yxy color 45.4797, 0.2555, 0.3274.

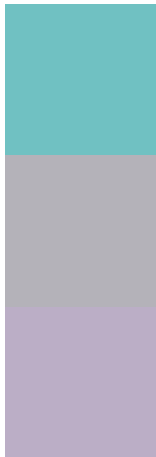


This preview shows how white text looks on a background with the Yxy color 45.4797, 0.2555, 0.3274.

# 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

45.4797, 0.2555, 0.3274

### Protanopia

45.0469, 0.3088, 0.3198

### Deuteranopia

44.9141, 0.3046, 0.2986



## Tritanopia

45.4308, 0.2505, 0.3078

# Trichromacy



## Original Color

45.4797, 0.2555, 0.3274

## Protanomaly

44.4664, 0.2863, 0.3221

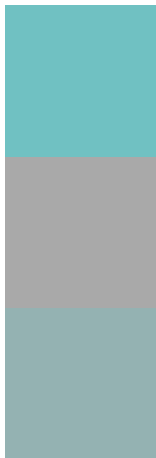
## Deuteranomaly

44.5525, 0.2836, 0.3075

## Tritanomaly

45.6084, 0.2524, 0.3147

# Monochromacy



## Original Color

45.4797, 0.2555, 0.3274

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

41.3510, 0.2877, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.4797, 0.2555, 0.3274 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(112, 193, 194)` looks like.

```
.text, #text, p{  
    color:rgb(112, 193, 194)  
}
```

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(112, 193, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 193, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 45.4797, 0.2555, 0.3274 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(112, 193, 194) }
```

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

```
.border{ border-color:rgb(112, 193, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 193, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 193, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 193, 194);  
box-shadow:4px 4px 4px 4px rgb(112, 193,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.4797, 0.2555, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 193, 194) }
```

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

```
.background{ background-color: rgb(112,  
193, 194) }
```

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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