

# Converting Colors

$Yxy(45.7567, 0.2564, 0.3260)$

Have a look what the booklet for  
Yxy(45.7567, 0.2564, 0.3260)  
contains.

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# Color

**Yxy(45.7249, 0.2566, 0.3260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73C1C3
RGB	115, 193, 195
RGB Percent	45%, 76%, 76%
CMY	0.5489, 0.2431, 0.2354
CMYK	0.41, 0.01, 0.00, 0.24
HSL	181°, 40%, 61%
HSV	181°, 41%, 76%
XYZ	35.9908, 45.7249, 58.5447
YIQ	169.9060, -47.1300, -15.9140

# Conversions

## Conversions Part 2

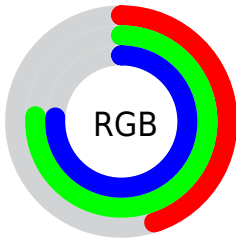
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	115, 154, 195
Decimal	7586243
CIE Lab	73.37, -23.47, -8.55
CIE LCh	73, 24.978, 200.021
Yxy	45.7249, 0.2566, 0.3260
Android (android.graphics.Color)	4285776323 (0xFF73C1C3)
YUV	169.9060, 12.3713, -48.1526
Hunter-Lab	67.6202, -23.3288, -3.9984

# Details

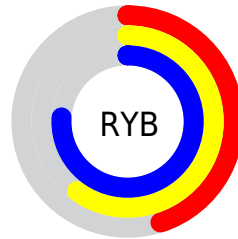
The Yxy color **45.7249, 0.2566, 0.3260** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.5612, 0.4151, 0.3320**, and the grayscale version is **40.1073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0574, 0.2664, 0.3267**, and **21.3181, 0.2414, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **44.3286, 0.2464, 0.3252**, and if you desaturate by 10%, it is **47.4050, 0.2684, 0.3268**.

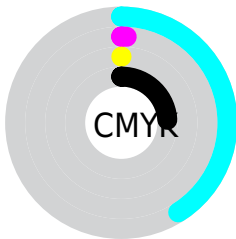
# Distribution



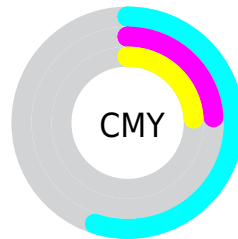
- Red (45%)
- Green (76%)
- Blue (76%)



- Red (45%)
- Yellow (60%)
- Blue (76%)



- Cyan (41%)
- Magenta (1%)
- Yellow (0%)
- Black (24%)



- Cyan (55%)
- Magenta (24%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7249, 0.2566, 0.3260 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 45.7249, 0.2566, 0.3260 by changing the saturation by 10% instead.




 45.7249, 0.2566,  
0.3260


 45.7249, 0.2566,  
0.3260


369.7015, 0.2843,  
0.3281

 32.0288, 0.2498,  
0.3253

 83.8071, 0.2666,  
0.3269

 21.3835, 0.2412,  
0.3243


 108.9621, 0.2703,  
0.3272

 13.4046, 0.2299,  
0.3229


 138.7054, 0.2735,  
0.3274

 7.7077, 0.2145,  
0.3205

173.4214, 0.2763,  
0.3276

 3.9085, 0.1923,  
0.3162

213.4947, 0.2787,  
0.3277

 1.6225, 0.1579,  
0.3074

259.3096, 0.2808,

 0.3727, 0.0000,

0.3279

0.2707

311.2504, 0.2826,  
0.3280

0.0000, 0.0000,  
0.0000

45.7249, 0.2566,  
0.3260

45.7249, 0.2566,  
0.3260

44.3286, 0.2464,  
0.3252

47.4050, 0.2684,  
0.3268

43.1930, 0.2380,  
0.3244

49.3798, 0.2817,  
0.3276

42.3001, 0.2314,  
0.3235


51.6661, 0.2960,  
0.3283


41.6272, 0.2268,  
0.3227


54.2778, 0.3112,  
0.3289

41.1475, 0.2240,  
0.3219

57.2280, 0.3268,  
0.3295

 40.8350, 0.2226,  
0.3212

 60.5291, 0.3427,  
0.3301

 64.1930, 0.3587,  
0.3306

 65.0667, 0.3614,  
0.3311

 65.2857, 0.3613,  
0.3316

# Harmonies

## Analogous

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



45.7249, 0.2805, 0.3598



45.7249, 0.2566, 0.3260



45.7249, 0.2472, 0.2955

# Triad

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



45.7249, 0.2566, 0.3260



45.7249, 0.3084, 0.2805



45.7249, 0.3739, 0.3804

# Complementary

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



45.7249, 0.2566, 0.3260



25.5612, 0.4151, 0.3320

# 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.



45.7249, 0.3829, 0.3564



45.7249, 0.2566, 0.3260



45.7249, 0.3439, 0.3005

# Square

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



45.7249, 0.2566, 0.3260



45.7249, 0.2758, 0.2717



45.7249, 0.3718, 0.3276



45.7249, 0.3482, 0.3919



# Rectangle

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



45.7249, 0.2566, 0.3260



45.7249, 0.2500, 0.2813



45.7249, 0.3718, 0.3276



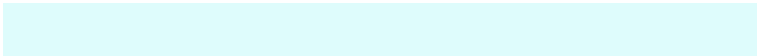
45.7249, 0.3790, 0.3734

# Sweetspot

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



45.7267, 0.2566, 0.3260



92.0444, 0.2943, 0.3282



43.9364, 0.3060, 0.4518



20.0319, 0.2923, 0.3281



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.



45.7267, 0.2566, 0.3260



79.6989, 0.2476, 0.3253



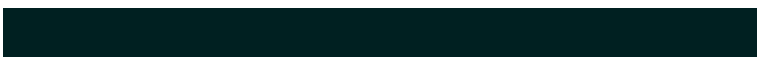
30.5885, 0.2471, 0.2659



11.3843, 0.2984, 0.3284



26.5666, 0.2226, 0.3213



1.1616, 0.2231, 0.3231



# Inverse Universe

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



27.7174, 0.3195, 0.2314



43.2783, 0.3209, 0.2128



36.7273, 0.3927, 0.3841



10.2431, 0.3141, 0.3069



9.9641, 0.3271, 0.1576

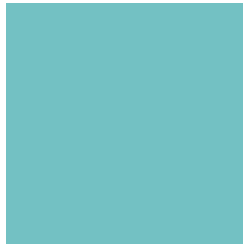


0.4319, 0.3256, 0.1567



# Previews

## White Background



This preview shows how the Yxy color 45.7249, 0.2566, 0.3260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

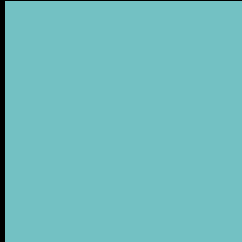
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.7249, 0.2566, 0.3260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

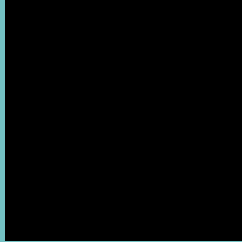
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

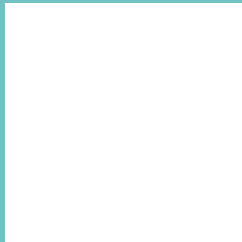
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.7249, 0.2566, 0.3260**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.7249, 0.2566, 0.3260.



This preview shows how white text looks on a background with the Yxy color 45.7249, 0.2566, 0.3260.

# 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

45.7249, 0.2566, 0.3260

### Protanopia

45.0893, 0.3080, 0.3185

### Deuteranopia

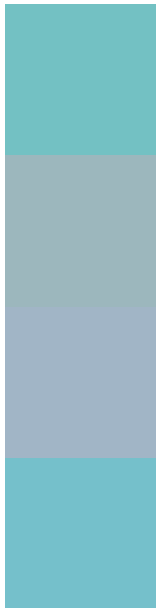
45.0870, 0.3047, 0.2975



## Tritanopia

45.6181, 0.2510, 0.3065

# Trichromacy



**Original Color**

45.7249, 0.2566, 0.3260

**Protanomaly**

44.6090, 0.2863, 0.3207

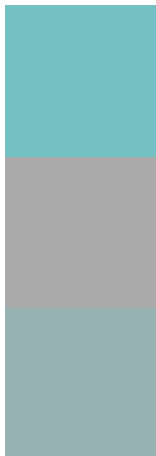
**Deuteranomaly**

44.7020, 0.2837, 0.3062

**Tritanomaly**

45.7930, 0.2529, 0.3133

# Monochromacy



**Original Color**

45.7249, 0.2566, 0.3260

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

41.5795, 0.2886, 0.3275

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.7249, 0.2566, 0.3260 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(115, 193, 195)` looks like.

```
.text, #text, p{  
    color:rgb(115, 193, 195)  
}
```

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(115, 193, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 193, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 45.7249, 0.2566, 0.3260 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(115, 193, 195) }
```

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

```
.border{ border-color:rgb(115, 193, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 193, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 193, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 193, 195);  
box-shadow:4px 4px 4px 4px rgb(115, 193,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.7249, 0.2566, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 193, 195) }
```

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

```
.background{ background-color: rgb(115,  
193, 195) }
```

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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