

# Converting Colors

$Y_{xy}(45.0422, 0.2657, 0.3794)$

Have a look what the booklet for  
Yxy(45.0422, 0.2657, 0.3794)  
contains.

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# Color

**Yxy(45.1542, 0.2657, 0.3797)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61C5A4
RGB	97, 197, 164
RGB Percent	38%, 77%, 64%
CMY	0.6196, 0.2274, 0.3569
CMYK	0.51, 0.00, 0.17, 0.23
HSL	160°, 46%, 58%
HSV	160°, 51%, 77%
XYZ	31.5972, 45.1542, 42.1693
YIQ	163.3380, -49.0070, -31.4630

# Conversions

## Conversions Part 2

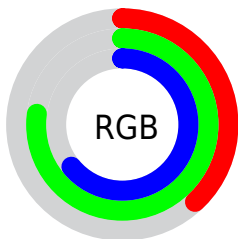
Format	Color
<b>RYB</b>	97, 157, 197
Decimal	6407588
CIELab	72.99, -37.22, 7.65
CIElCh	73, 38.001, 168.381
Yxy	45.1542, 0.2657, 0.3797
Android (android.graphics.Color)	4284597668 (0xFF61C5A4)
YUV	163.3380, 0.3264, -58.1784
Hunter-Lab	67.1969, -33.6605, 9.8305

# Details

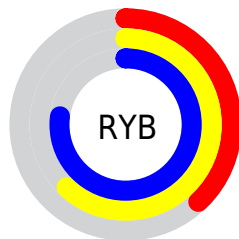
The Yxy color **45.1542, 0.2657, 0.3797** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **22.0348, 0.4064, 0.2858**, and the grayscale version is **36.8118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8681, 0.2746, 0.3696**, and **21.1721, 0.2521, 0.3971** is the 20% darker color. If you saturate the color by 10%, you get **43.9757, 0.2600, 0.3919**, and if you desaturate by 10%, it is **46.6170, 0.2730, 0.3681**.

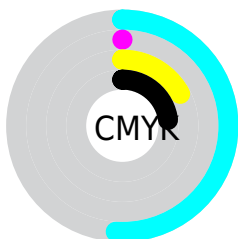
# Distribution



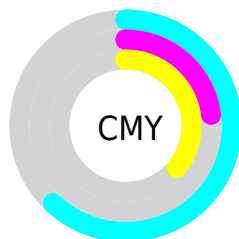
- Red (38%)
- Green (77%)
- Blue (64%)



- Red (38%)
- Yellow (62%)
- Blue (77%)



- Cyan (51%)
- Magenta (0%)
- Yellow (17%)
- Black (23%)




- Cyan (62%)
- Magenta (23%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1542, 0.2657, 0.3797 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 45.1542, 0.2657, 0.3797 by changing the saturation by 10% instead.





 45.1542, 0.2657,  
0.3797


 45.1542, 0.2657,  
0.3797


367.3977, 0.2896,  
0.3535

 31.5789, 0.2596,  
0.3865


 82.9518, 0.2745,  
0.3699


 21.0401, 0.2517,  
0.3955


 107.9428, 0.2778,  
0.3663

 13.1533, 0.2411,  
0.4078


 137.5079, 0.2805,  
0.3633

 7.5342, 0.2261,  
0.4255

 172.0314, 0.2829,  
0.3608

 3.7984, 0.2033,  
0.4533

211.8978, 0.2849,  
0.3586

 1.5614, 0.1502,  
0.5115

257.4913, 0.2867,

 0.3314, 0.0000,

0.3566

1.0000

309.1965, 0.2882,  
0.3549

0.0000, 0.0000,  
0.0000

45.1542, 0.2657,  
0.3797

45.1542, 0.2657,  
0.3797

43.9757, 0.2600,  
0.3919

46.6170, 0.2730,  
0.3681

43.0557, 0.2562,  
0.4044

48.3771, 0.2815,  
0.3572

42.3726, 0.2543,  
0.4170

50.4530, 0.2910,  
0.3471

41.8988, 0.2544,  
0.4296

52.8603, 0.3013,  
0.3379

41.5988, 0.2559,  
0.4411

55.6134, 0.3119,  
0.3296

■ 58.7259, 0.3227,  
0.3221

■ 62.2106, 0.3336,  
0.3155

■ 66.0799, 0.3442,  
0.3096

■ 66.4958, 0.3395,  
0.3032

# Harmonies

## Analogous

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



45.1542, 0.3158, 0.4185



45.1542, 0.2657, 0.3797



45.1542, 0.2301, 0.3256

# Triad

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



45.1542, 0.2657, 0.3797



45.1542, 0.2546, 0.2443



45.1542, 0.4200, 0.3650

# Complementary

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



45.1542, 0.2657, 0.3797



22.0348, 0.4064, 0.2858

# 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.



45.1542, 0.4018, 0.3228



45.1542, 0.2657, 0.3797



45.1542, 0.3022, 0.2566

# Square

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



45.1542, 0.2657, 0.3797



45.1542, 0.2246, 0.2510



45.1542, 0.3570, 0.2845



45.1542, 0.4064, 0.4030



# Rectangle

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



45.1542, 0.2657, 0.3797



45.1542, 0.2182, 0.2926



45.1542, 0.3570, 0.2845



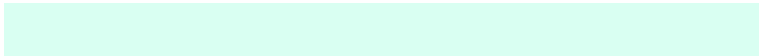
45.1542, 0.4175, 0.3510

# Sweetspot

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



45.1560, 0.2657, 0.3797



92.6667, 0.2966, 0.3419



45.5700, 0.3289, 0.4776



19.6385, 0.2944, 0.3439



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.



45.1560, 0.2657, 0.3797



78.5410, 0.2595, 0.3933



39.3525, 0.2424, 0.3038



12.0057, 0.3027, 0.3367



27.3766, 0.2554, 0.4395



1.3093, 0.2482, 0.4136



# Inverse Universe

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



22.0348, 0.4064, 0.2858



32.4970, 0.4402, 0.2788



24.6962, 0.4433, 0.3513



10.6937, 0.3239, 0.3214



8.0728, 0.5630, 0.2875

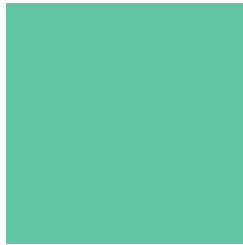


0.3957, 0.5033, 0.2546



# Previews

## White Background



This preview shows how the Yxy color 45.1542, 0.2657, 0.3797 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 45.1542, 0.2657, 0.3797 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

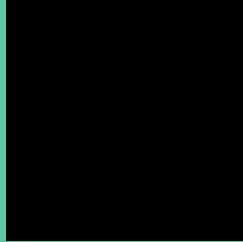
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.1542, 0.2657, 0.3797**

## Background



This preview shows how black text looks on a background with the Yxy color 45.1542, 0.2657, 0.3797.



This preview shows how white text looks on a background with the Yxy color 45.1542, 0.2657, 0.3797.

# 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

45.1542, 0.2657, 0.3797

### Protanopia

44.7387, 0.3408, 0.3609

### Deuteranopia

44.3754, 0.3391, 0.3329



## Tritanopia

45.0816, 0.2467, 0.3062

# Trichromacy



**Original Color**

45.1542, 0.2657, 0.3797

**Protanomaly**

44.0366, 0.3076, 0.3676

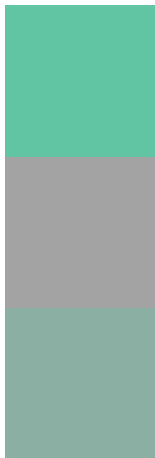
**Deuteranomaly**

43.4148, 0.3067, 0.3486

**Tritanomaly**

44.9048, 0.2534, 0.3318

# Monochromacy



**Original Color**

45.1542, 0.2657, 0.3797

**Achromatopsia**

36.6253, 0.3127, 0.3290

**Achromatomaly**

38.7933, 0.2915, 0.3470

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1542, 0.2657, 0.3797 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(97, 197, 164)` looks like.

```
.text, #text, p{  
    color:rgb(97, 197, 164)  
}
```

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(97, 197, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 197, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1542, 0.2657, 0.3797 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(97, 197, 164) }
```

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

```
.border{ border-color:rgb(97, 197, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 197, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 197, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 197, 164);  
box-shadow:4px 4px 4px 4px rgb(97, 197,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1542, 0.2657, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 197, 164) }
```

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

```
.background{ background-color: rgb(97, 197,  
164) }
```

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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