

# Converting Colors

$Yxy(37.9960, 0.2805, 0.4207)$

Have a look what the booklet for  
Yxy(37.9960, 0.2805, 0.4207)  
contains.

<b>Yxy(38.0663, 0.2803, 0.4202)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(38.0663, 0.2803, 0.4202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AB882
RGB	90, 184, 130
RGB Percent	35%, 72%, 51%
CMY	0.6467, 0.2785, 0.4901
CMYK	0.51, 0.00, 0.29, 0.28
HSL	146°, 40%, 54%
HSV	146°, 51%, 72%
XYZ	25.3926, 38.0663, 27.1320
YIQ	149.7380, -38.6900, -36.7220

# Conversions

## Conversions Part 2

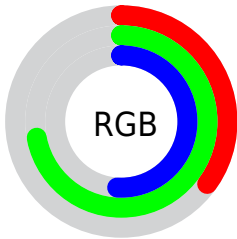
Format	Color
<a href="#">RYB</a>	90, 156, 184
Decimal	5945474
CIELab	68.07, -40.34, 19.09
CIELCh	68, 44.631, 154.673
Yxy	38.0663, 0.2803, 0.4202
Android (android.graphics.Color)	4284135554 (0xFF5AB882)
YUV	149.7380, -9.7308, -52.3902
Hunter-Lab	61.6979, -34.5071, 17.1154

# Details

The Yxy color **38.0663, 0.2803, 0.4202** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **19.5314, 0.3713, 0.2547**, and the grayscale version is **30.4461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4405, 0.2875, 0.4017**, and **16.8057, 0.2682, 0.4536** is the 20% darker color. If you saturate the color by 10%, you get **36.9860, 0.2767, 0.4422**, and if you desaturate by 10%, it is **39.4073, 0.2852, 0.3992**.

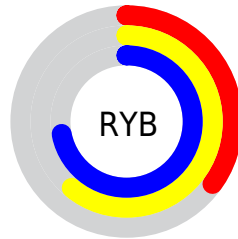
# Distribution



Red (35%)

Green (72%)

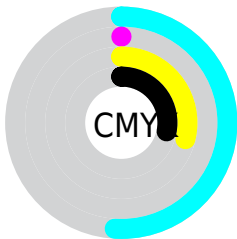
Blue (51%)



Red (35%)

Yellow (61%)

Blue (72%)

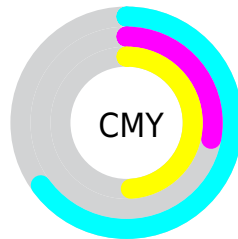


Cyan (51%)

Magenta (0%)

Yellow (29%)

Black (28%)



Cyan (65%)

Magenta (28%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0663, 0.2803, 0.4202 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 38.0663, 0.2803, 0.4202 by changing the saturation by 10% instead.




 38.0663, 0.2803,  
0.4202


 38.0663, 0.2803,  
0.4202


337.9043, 0.2983,  
0.3705

 26.0342, 0.2751,  
0.4341


 72.2097, 0.2873,  
0.4011

 16.8492, 0.2680,  
0.4529


 95.0898, 0.2898,  
0.3942

 10.1270, 0.2578,  
0.4796


 122.3547, 0.2919,  
0.3885

 5.4833, 0.2417,  
0.5204

 154.3887, 0.2936,  
0.3838

 2.5335, 0.2139,  
0.5898

191.5763, 0.2950,  
0.3797

 0.8934, 0.0000,  
1.0000

234.3018, 0.2963,

 0.0000, 0.0000,


0.3762


0.0000

282.9497, 0.2974,  
0.3732


 38.0663, 0.2803,  
0.4202


 38.0663, 0.2803,  
0.4202


 36.9860, 0.2767,  
0.4422


 39.4073, 0.2852,  
0.3992


 36.1437, 0.2748,  
0.4646

 41.0207, 0.2911,  
0.3795


 35.5205, 0.2746,  
0.4866

 42.9227, 0.2978,  
0.3614

 35.0922, 0.2764,  
0.5076

 45.1273, 0.3048,  
0.3450

 34.8314, 0.2792,  
0.5249

 47.6472, 0.3120,  
0.3304

■ 50.4946, 0.3192,  
0.3175

■ 53.6810, 0.3262,  
0.3060

■ 57.2172, 0.3331,  
0.2960

■ 60.9850, 0.3391,  
0.2872

# Harmonies

## Analogous

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



38.0663, 0.3446, 0.4509



38.0663, 0.2803, 0.4202



38.0663, 0.2280, 0.3553

# Triad

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



38.0663, 0.2803, 0.4202



38.0663, 0.2221, 0.2268



38.0663, 0.4407, 0.3472

# Complementary

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



38.0663, 0.2803, 0.4202



19.5314, 0.3713, 0.2547

# 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.



38.0663, 0.4011, 0.2981



38.0663, 0.2803, 0.4202



38.0663, 0.2703, 0.2321

# Square

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



38.0663, 0.2803, 0.4202



38.0663, 0.1979, 0.2450



38.0663, 0.3360, 0.2575



38.0663, 0.4403, 0.3971



# Rectangle

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



38.0663, 0.2803, 0.4202



38.0663, 0.2061, 0.3095



38.0663, 0.3360, 0.2575



38.0663, 0.4316, 0.3303

# Sweetspot

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



38.0679, 0.2803, 0.4202



80.0612, 0.3018, 0.3517



41.0250, 0.3495, 0.4680



17.0800, 0.3003, 0.3551



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.0679, 0.2803, 0.4202



66.8847, 0.2764, 0.4444



39.5970, 0.2517, 0.3411



10.1218, 0.3060, 0.3424



24.0212, 0.2785, 0.5227



0.8592, 0.2639, 0.4702



# Inverse Universe

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



19.5314, 0.3713, 0.2547



29.5821, 0.3903, 0.2416



18.3960, 0.4437, 0.3185



9.0964, 0.3201, 0.3159



7.7513, 0.4621, 0.2319



0.2854, 0.4165, 0.2068



# Previews

## White Background



This preview shows how the Yxy color 38.0663, 0.2803, 0.4202 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 38.0663, 0.2803, 0.4202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

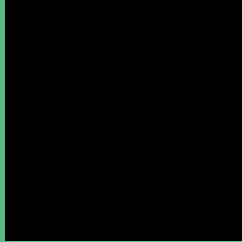
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.0663, 0.2803, 0.4202**

## Background



This preview shows how black text looks on a background with the Yxy color 38.0663, 0.2803, 0.4202.

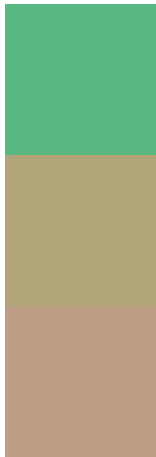


This preview shows how white text looks on a background with the Yxy color 38.0663, 0.2803, 0.4202.

# 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

38.0663, 0.2803, 0.4202

### Protanopia

37.6379, 0.3643, 0.3913

### Deuteranopia

37.3077, 0.3671, 0.3589



## Tritanopia

37.8325, 0.2501, 0.3076

# Trichromacy



**Original Color**

38.0663, 0.2803, 0.4202

**Protanomaly**

36.9800, 0.3280, 0.4034

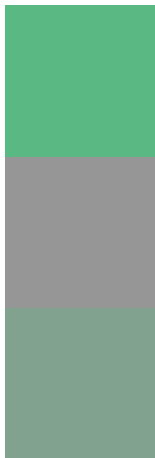
**Deuteranomaly**

36.2287, 0.3291, 0.3791

**Tritanomaly**

37.7767, 0.2608, 0.3464

# Monochromacy



**Original Color**

38.0663, 0.2803, 0.4202

**Achromatopsia**

30.4987, 0.3127, 0.3290

**Achromatomaly**

32.4130, 0.2975, 0.3600

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.0663, 0.2803, 0.4202 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(90, 184, 130)` looks like.

```
.text, #text, p{  
    color:rgb(90, 184, 130)  
}
```

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(90, 184, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 184, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 38.0663, 0.2803, 0.4202 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(90, 184, 130) }
```

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

```
.border{ border-color:rgb(90, 184, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 184, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 184, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 184, 130);  
box-shadow:4px 4px 4px 4px rgb(90, 184,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.0663, 0.2803, 0.4202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 184, 130) }
```

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

```
.background{ background-color: rgb(90, 184,  
130) }
```

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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