

# Converting Colors

$Yxy(44.8303, 0.2892, 0.4059)$

Have a look what the booklet for  
Yxy(44.8303, 0.2892, 0.4059)  
contains.

<b>Yxy(44.8565, 0.2890, 0.4056)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(44.8565, 0.2890, 0.4056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75C391
RGB	117, 195, 145
RGB Percent	46%, 76%, 57%
CMY	0.5413, 0.2353, 0.4312
CMYK	0.40, 0.00, 0.26, 0.24
HSL	142°, 39%, 61%
HSV	142°, 40%, 76%
XYZ	31.9614, 44.8565, 33.7751
YIQ	165.9780, -30.4380, -32.0860

# Conversions

## Conversions Part 2

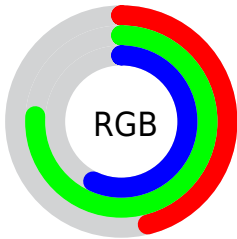
Format	Color
<a href="#">RYB</a>	<a href="#">117, 174, 195</a>
Decimal	<a href="#">7717777</a>
CIELab	<a href="#">72.80, -35.05, 17.71</a>
CIELCh	<a href="#">73, 39.273, 153.192</a>
Yxy	<a href="#">44.8565, 0.2890, 0.4056</a>
Android (android.graphics.Color)	<a href="#">4285907857 (0xFF75C391)</a>
YUV	<a href="#">165.9780, -10.3422, -42.9537</a>
Hunter-Lab	<a href="#">66.9750, -32.0237, 16.9829</a>

# Details

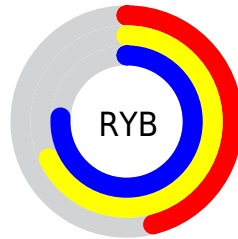
The Yxy color **44.8565, 0.2890, 0.4056** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.1073, 0.3485, 0.2636**, and the grayscale version is **38.1832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5150, 0.2940, 0.3905**, and **20.9147, 0.2808, 0.4319** is the 20% darker color. If you saturate the color by 10%, you get **43.2813, 0.2846, 0.4292**, and if you desaturate by 10%, it is **46.7591, 0.2943, 0.3836**.

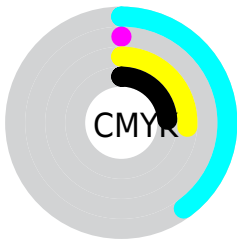
# Distribution



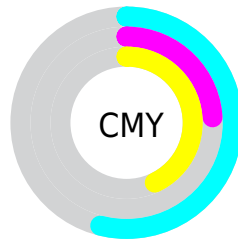
- Red (46%)
- Green (76%)
- Blue (57%)



- Red (46%)
- Yellow (68%)
- Blue (76%)



- Cyan (40%)
- Magenta (0%)
- Yellow (26%)
- Black (24%)



- Cyan (54%)
- Magenta (24%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8565, 0.2890, 0.4056 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 44.8565, 0.2890, 0.4056 by changing the saturation by 10% instead.




 44.8565, 0.2890,  
0.4056


 44.8565, 0.2890,  
0.4056


366.1921, 0.3019,  
0.3652

 31.3444, 0.2854,  
0.4164

 82.5050, 0.2939,  
0.3904

 20.8612, 0.2807,  
0.4307


 107.4103, 0.2957,  
0.3848

 13.0226, 0.2739,  
0.4504


 136.8820, 0.2972,  
0.3802

 7.4441, 0.2637,  
0.4794

171.3046, 0.2984,  
0.3763

 3.7414, 0.2468,  
0.5258

211.0626, 0.2995,  
0.3729

 1.5300, 0.2111,  
0.6580

256.5402, 0.3004,

 0.3097, 0.0000,

0.3700

1.0000

308.1219, 0.3012,  
0.3674

0.0000, 0.0000,  
0.0000

44.8565, 0.2890,  
0.4056

44.8565, 0.2890,  
0.4056

43.2813, 0.2846,  
0.4292

46.7591, 0.2943,  
0.3836

42.0089, 0.2814,  
0.4537

49.0010, 0.3002,  
0.3634

41.0202, 0.2797,  
0.4786

51.6000, 0.3064,  
0.3452


40.2914, 0.2797,  
0.5027

54.5713, 0.3127,  
0.3290

39.7944, 0.2816,  
0.5250


57.9291, 0.3190,  
0.3147

 39.4766, 0.2847,  
0.5449

 61.6868, 0.3251,  
0.3022

 65.8572, 0.3309,  
0.2912

 66.8817, 0.3227,  
0.2795

 67.5128, 0.3155,  
0.2703

# Harmonies

## Analogous

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



44.8565, 0.3435, 0.4298



44.8565, 0.2890, 0.4056



44.8565, 0.2434, 0.3542

# Triad

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



44.8565, 0.2890, 0.4056



44.8565, 0.2344, 0.2424



44.8565, 0.4184, 0.3438

# Complementary

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



44.8565, 0.2890, 0.4056



27.1073, 0.3485, 0.2636

# 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.



44.8565, 0.3840, 0.3015



44.8565, 0.2890, 0.4056



44.8565, 0.2751, 0.2456

# Square

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



44.8565, 0.2890, 0.4056



44.8565, 0.2144, 0.2600



44.8565, 0.3298, 0.2668



44.8565, 0.4207, 0.3864



# Rectangle

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



44.8565, 0.2890, 0.4056



44.8565, 0.2235, 0.3165



44.8565, 0.3298, 0.2668



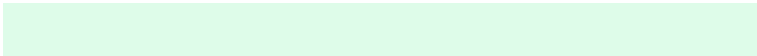
44.8565, 0.4102, 0.3293

# Sweetspot

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



44.8584, 0.2890, 0.4056



91.3441, 0.3050, 0.3490



48.6079, 0.3478, 0.4357



19.8634, 0.3042, 0.3514



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.



44.8584, 0.2890, 0.4056



77.8402, 0.2851, 0.4261



46.2444, 0.2650, 0.3459



11.3173, 0.3068, 0.3441



25.6707, 0.2840, 0.5424



1.1224, 0.2709, 0.4953



# Inverse Universe

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



27.1073, 0.3485, 0.2636



41.6831, 0.3595, 0.2500



25.8958, 0.3970, 0.3134



10.1840, 0.3191, 0.3144



8.5176, 0.4362, 0.2177



0.3808, 0.4042, 0.2000



# Previews

## White Background



This preview shows how the Yxy color 44.8565, 0.2890, 0.4056 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 44.8565, 0.2890, 0.4056 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

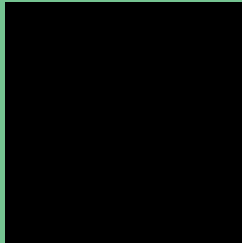
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.8565, 0.2890, 0.4056**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.8565, 0.2890, 0.4056.



This preview shows how white text looks on a background with the Yxy color 44.8565, 0.2890, 0.4056.

# 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

44.8565, 0.2890, 0.4056

### Protanopia

44.1976, 0.3585, 0.3821

### Deuteranopia

44.3070, 0.3632, 0.3557



## Tritanopia

44.5983, 0.2595, 0.3066

# Trichromacy



## Original Color

44.8565, 0.2890, 0.4056



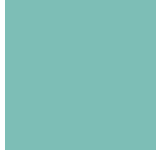
## Protanomaly

43.9610, 0.3293, 0.3915



## Deuteranomaly

43.6649, 0.3326, 0.3733



## Tritanomaly

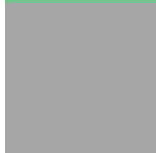
44.5643, 0.2698, 0.3405

# Monochromacy



## Original Color

44.8565, 0.2890, 0.4056



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

40.2088, 0.3028, 0.3570

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8565, 0.2890, 0.4056 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(117, 195, 145)` looks like.

```
.text, #text, p{  
    color:rgb(117, 195, 145)  
}
```

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(117, 195, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 195, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8565, 0.2890, 0.4056 is called "border". The border property can be set on classes, ids or directly on the HTML element.

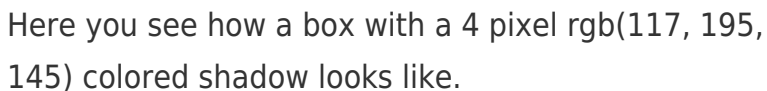
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 195, 145) }
```

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

```
.border{ border-color:rgb(117, 195, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 195, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 195, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 195, 145); box-shadow:4px 4px 4px 4px rgb(117, 195, 145) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8565, 0.2890, 0.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 195, 145) }
```

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

```
.background{ background-color: rgb(117,  
195, 145) }
```

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