

# Converting Colors

$Yxy(41.3858, 0.2794, 0.3889)$

Have a look what the booklet for  
Yxy(41.3858, 0.2794, 0.3889)  
contains.

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# Color

**Yxy(41.3566, 0.2791, 0.3890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CBC96
RGB	108, 188, 150
RGB Percent	42%, 74%, 59%
CMY	0.5766, 0.2627, 0.4116
CMYK	0.43, 0.00, 0.20, 0.26
HSL	152°, 37%, 58%
HSV	152°, 43%, 74%
XYZ	29.6726, 41.3566, 35.2860
YIQ	159.7480, -35.4820, -28.7780

# Conversions

## Conversions Part 2

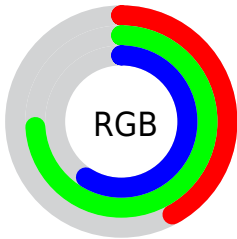
<b>Format</b>	<b>Color</b>
<b>RYB</b>	108, 160, 188
Decimal	7126166
CIELab	70.43, -33.33, 11.63
CIELCh	70, 35.304, 160.761
Yxy	41.3566, 0.2791, 0.3890
Android (android.graphics.Color)	4285316246 (0xFF6CBC96)
YUV	159.7480, -4.8058, -45.3830
Hunter-Lab	64.3091, -30.1801, 12.4843

# Details

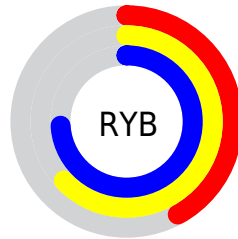
The Yxy color  $41.3566, 0.2791, 0.3890$  is a dark color, and the websafe version is hex  $66CC99$ . A complement of this color would be  $23.4866, 0.3688, 0.2769$ , and the grayscale version is  $35.0661, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $77.4510, 0.2860, 0.3776$ , and  $18.7353, 0.2685, 0.4090$  is the 20% darker color. If you saturate the color by 10%, you get  $40.0275, 0.2734, 0.4063$ , and if you desaturate by 10%, it is  $42.9651, 0.2859, 0.3728$ .

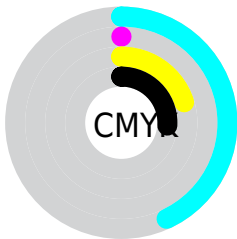
# Distribution



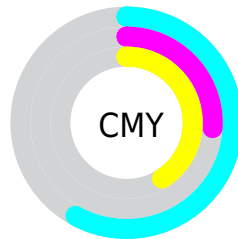
- Red (42%)
- Green (74%)
- Blue (59%)



- Red (42%)
- Yellow (63%)
- Blue (74%)



- Cyan (43%)
- Magenta (0%)
- Yellow (20%)
- Black (26%)




- Cyan (58%)
- Magenta (26%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3566, 0.2791, 0.3890 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 41.3566, 0.2791, 0.3890 by changing the saturation by 10% instead.




 41.3566, 0.2791,  
0.3890


 41.3566, 0.2791,  
0.3890


351.8088, 0.2968,  
0.3572

 28.5978, 0.2744,  
0.3976


 77.2249, 0.2857,  
0.3770


 18.7768, 0.2681,  
0.4090


 101.1033, 0.2882,  
0.3726

 11.5091, 0.2595,  
0.4248


 129.4569, 0.2902,  
0.3690

 6.4104, 0.2467,  
0.4484


 162.6703, 0.2919,  
0.3659

 3.0962, 0.2262,  
0.4870

201.1278, 0.2934,  
0.3633

 1.1822, 0.1484,  
0.6193


245.2138, 0.2947,


 0.0471, 0.0000,


0.3610


1.0000


295.3127, 0.2958,  
0.3590


 0.0000, 0.0000,  
0.0000


 41.3566, 0.2791,  
0.3890


 41.3566, 0.2791,  
0.3890


 40.0275, 0.2734,  
0.4063


 42.9651, 0.2859,  
0.3728


 38.9558, 0.2693,  
0.4244


 44.8634, 0.2937,  
0.3578


 38.1241, 0.2669,  
0.4429


 47.0676, 0.3019,  
0.3442

 37.5109, 0.2665,  
0.4614


 49.5910, 0.3105,  
0.3319


 37.0903, 0.2680,  
0.4794


 52.4461, 0.3192,  
0.3210

 36.8653, 0.2701,  
0.4922

 55.6448, 0.3278,  
0.3113

 59.1983, 0.3362,  
0.3028

 62.4701, 0.3416,  
0.2950

 62.9595, 0.3345,  
0.2863

# Harmonies

## Analogous

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



41.3566, 0.3289, 0.4191



41.3566, 0.2791, 0.3890



41.3566, 0.2404, 0.3391

# Triad

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



41.3566, 0.2791, 0.3890



41.3566, 0.2479, 0.2474



41.3566, 0.4138, 0.3536

# Complementary

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



41.3566, 0.2791, 0.3890



23.4866, 0.3688, 0.2769

# 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.



41.3566, 0.3889, 0.3133



41.3566, 0.2791, 0.3890



41.3566, 0.2900, 0.2548

# Square

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



41.3566, 0.2791, 0.3890



41.3566, 0.2239, 0.2591



41.3566, 0.3421, 0.2783



41.3566, 0.4085, 0.3919



# Rectangle

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



41.3566, 0.2791, 0.3890



41.3566, 0.2252, 0.3057



41.3566, 0.3421, 0.2783



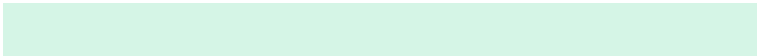
41.3566, 0.4087, 0.3400

# Sweetspot

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



41.3583, 0.2791, 0.3890



85.0227, 0.3014, 0.3450



43.2221, 0.3378, 0.4470



18.0849, 0.2995, 0.3479



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



41.3583, 0.2791, 0.3890



72.7000, 0.2738, 0.4050



42.2190, 0.2552, 0.3268



10.7311, 0.3046, 0.3401



25.1136, 0.2695, 0.4901



0.9969, 0.2577, 0.4478



# Inverse Universe

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



23.4866, 0.3688, 0.2769



36.0604, 0.3872, 0.2662



22.7785, 0.4209, 0.3312



9.6097, 0.3216, 0.3182



7.7875, 0.5041, 0.2551



0.3183, 0.4490, 0.2247



# Previews

## White Background



This preview shows how the Yxy color 41.3566, 0.2791, 0.3890 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 41.3566, 0.2791, 0.3890 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 41.3566, 0.2791, 0.3890**

## Background



This preview shows how black text looks on a background with the Yxy color 41.3566, 0.2791, 0.3890.



This preview shows how white text looks on a background with the Yxy color 41.3566, 0.2791, 0.3890.

# 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

41.3566, 0.2791, 0.3890

### Protanopia

40.9026, 0.3473, 0.3690

### Deuteranopia

40.7462, 0.3496, 0.3423



## Tritanopia

41.3634, 0.2558, 0.3085

# Trichromacy



## Original Color

41.3566, 0.2791, 0.3890



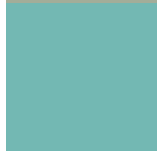
## Protanomaly

40.3586, 0.3184, 0.3761



## Deuteranomaly

39.9736, 0.3204, 0.3577



## Tritanomaly

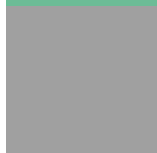
41.1805, 0.2642, 0.3364

# Monochromacy



## Original Color

41.3566, 0.2791, 0.3890



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

36.8125, 0.2984, 0.3503

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.3566, 0.2791, 0.3890 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(108, 188, 150)` looks like.

```
.text, #text, p{  
    color:rgb(108, 188, 150)  
}
```

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(108, 188, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 188, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 41.3566, 0.2791, 0.3890 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(108, 188, 150) }
```

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

```
.border{ border-color:rgb(108, 188, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 188, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 188, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 188, 150);  
box-shadow:4px 4px 4px 4px rgb(108, 188,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.3566, 0.2791, 0.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 188, 150) }
```

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

```
.background{ background-color: rgb(108,  
188, 150) }
```

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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