

# Converting Colors

Yxy(44.4854, 0.2931, 0.4199)

Have a look what the booklet for  
Yxy(44.4854, 0.2931, 0.4199)  
contains.

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# Color

**Yxy(44.4526, 0.2935, 0.4205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73C388
RGB	115, 195, 136
RGB Percent	45%, 76%, 53%
CMY	0.5491, 0.2353, 0.4667
CMYK	0.41, 0.00, 0.30, 0.24
HSL	136°, 40%, 61%
HSV	136°, 41%, 76%
XYZ	31.0270, 44.4526, 30.2341
YIQ	164.3540, -28.7410, -35.3090

# Conversions

## Conversions Part 2

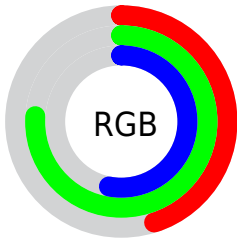
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 178, 195
Decimal	7586696
CIELab	72.53, -37.32, 22.16
CIELCh	73, 43.404, 149.302
Yxy	44.4526, 0.2935, 0.4205
Android (android.graphics.Color)	4285776776 (0xFF73C388)
YUV	164.3540, -13.9785, -43.2835
Hunter-Lab	66.6728, -33.6103, 19.7847

# Details

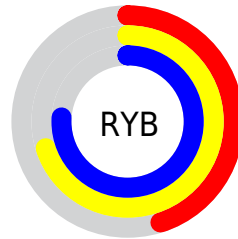
The Yxy color **44.4526, 0.2935, 0.4205** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.9165, 0.3406, 0.2527**, and the grayscale version is **37.3787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8846, 0.2976, 0.4016**, and **20.7137, 0.2857, 0.4508** is the 20% darker color. If you saturate the color by 10%, you get **42.8877, 0.2900, 0.4478**, and if you desaturate by 10%, it is **46.3556, 0.2977, 0.3947**.

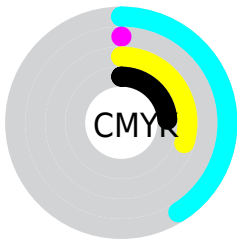
# Distribution



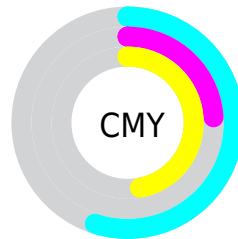
- Red (45%)
- Green (76%)
- Blue (53%)



- Red (45%)
- Yellow (70%)
- Blue (76%)



- Cyan (41%)
- Magenta (0%)
- Yellow (30%)
- Black (24%)




- Cyan (55%)
- Magenta (24%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4526, 0.2935, 0.4205 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 44.4526, 0.2935, 0.4205 by changing the saturation by 10% instead.





 44.4526, 0.2935,  
0.4205


 44.4526, 0.2935,  
0.4205


364.5520, 0.3045,  
0.3719


 31.0265, 0.2903,  
0.4336


 81.8984, 0.2978,  
0.4021

 20.6190, 0.2858,  
0.4509


 106.6868, 0.2994,  
0.3955

 12.8458, 0.2793,  
0.4749


 136.0315, 0.3006,  
0.3899

 7.3225, 0.2690,  
0.5103

170.3168, 0.3017,  
0.3852

 3.6646, 0.2509,  
0.5665

209.9271, 0.3025,  
0.3811

 1.4878, 0.2150,  
0.7850

255.2468, 0.3033,

 0.2801, 0.0000,

0.3776

1.0000

306.6603, 0.3039,  
0.3746

■ 0.0000, 0.0000,  
0.0000

■ 44.4526, 0.2935,  
0.4205

■ 44.4526, 0.2935,  
0.4205

■ 42.8877, 0.2900,  
0.4478

■ 46.3556, 0.2977,  
0.3947

■ 41.6355, 0.2876,  
0.4759

■ 48.6096, 0.3024,  
0.3711

■ 40.6757, 0.2865,  
0.5036


■ 51.2332, 0.3073,  
0.3498

■ 39.9831, 0.2869,  
0.5294

■ 54.2423, 0.3122,  
0.3308


■ 39.5282, 0.2888,  
0.5519


■ 57.6519, 0.3171,  
0.3142

 39.2741, 0.2913,  
0.5686

 61.4759, 0.3217,  
0.2996

 65.7279, 0.3262,  
0.2870

 67.2610, 0.3183,  
0.2739

 67.5134, 0.3155,  
0.2703

# Harmonies

## Analogous

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



44.4526, 0.3536, 0.4418



44.4526, 0.2935, 0.4205



44.4526, 0.2415, 0.3651

# Triad

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



44.4526, 0.2935, 0.4205



44.4526, 0.2225, 0.2351



44.4526, 0.4269, 0.3382

# Complementary

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



44.4526, 0.2935, 0.4205



26.9165, 0.3406, 0.2527

# 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.



44.4526, 0.3847, 0.2930



44.4526, 0.2935, 0.4205



44.4526, 0.2641, 0.2362

# Square

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



44.4526, 0.2935, 0.4205



44.4526, 0.2040, 0.2569



44.4526, 0.3230, 0.2569



44.4526, 0.4338, 0.3853



# Rectangle

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



44.4526, 0.2935, 0.4205



44.4526, 0.2180, 0.3224



44.4526, 0.3230, 0.2569



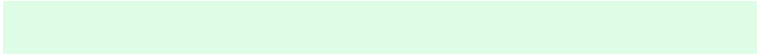
44.4526, 0.4163, 0.3225

# Sweetspot

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



44.4544, 0.2935, 0.4205



91.1774, 0.3067, 0.3521



49.3849, 0.3556, 0.4359



19.8234, 0.3060, 0.3548



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.



44.4544, 0.2935, 0.4205



77.1325, 0.2904, 0.4443



45.7723, 0.2688, 0.3585



11.3013, 0.3081, 0.3464



25.5360, 0.2907, 0.5664



1.1151, 0.2778, 0.5200



# Inverse Universe

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



26.9165, 0.3406, 0.2527



41.5801, 0.3486, 0.2374



25.6096, 0.3895, 0.3022



10.2009, 0.3177, 0.3122



8.8600, 0.3998, 0.1976



0.3936, 0.3785, 0.1859



# Previews

## White Background



This preview shows how the Yxy color 44.4526, 0.2935, 0.4205 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 44.4526, 0.2935, 0.4205 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 44.4526, 0.2935, 0.4205**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.4526, 0.2935, 0.4205.



This preview shows how white text looks on a background with the Yxy color 44.4526, 0.2935, 0.4205.

# 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

44.4526, 0.2935, 0.4205

### Protanopia

43.9499, 0.3662, 0.3940

### Deuteranopia

43.7943, 0.3728, 0.3658



## Tritanopia

44.4720, 0.2595, 0.3079

# Trichromacy



## Original Color

44.4526, 0.2935, 0.4205



## Protanomaly

43.7062, 0.3364, 0.4045



## Deuteranomaly

42.9885, 0.3403, 0.3848



## Tritanomaly

44.3264, 0.2717, 0.3465

# Monochromacy



## Original Color

44.4526, 0.2935, 0.4205



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

39.1040, 0.3043, 0.3604

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.4526, 0.2935, 0.4205 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, 195, 136)` looks like.

```
.text, #text, p{  
    color:rgb(115, 195, 136)  
}
```

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, 195, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 195, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 44.4526, 0.2935, 0.4205 is called "border". The border property can be set on classes, ids or directly on the HTML element.

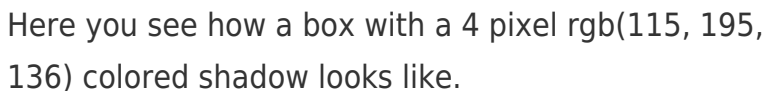
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 195, 136) }
```

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

```
.border{ border-color:rgb(115, 195, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 195, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 195, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 195, 136); box-shadow:4px 4px 4px 4px rgb(115, 195, 136) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.4526, 0.2935, 0.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 195, 136) }
```

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

```
.background{ background-color: rgb(115,  
195, 136) }
```

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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