

# Converting Colors

Yxy(56.5480, 0.3642, 0.4317)

Have a look what the booklet for  
Yxy(56.5480, 0.3642, 0.4317)  
contains.

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**Color**

**Yxy(56.6699, 0.3643, 0.4314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3CD7A
RGB	195, 205, 122
RGB Percent	76%, 80%, 48%
CMY	0.2352, 0.1961, 0.5215
CMYK	0.05, 0.00, 0.40, 0.20
HSL	67°, 45%, 64%
HSV	67°, 40%, 80%
XYZ	47.8555, 56.6699, 26.8374
YIQ	192.5480, 20.6830, -27.9330

# Conversions

## Conversions Part 2

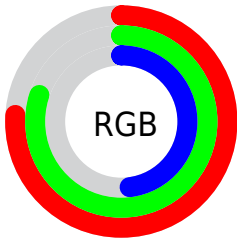
Format	Color
<a href="#">RYB</a>	122, 205, 132
Decimal	12832122
CIELab	79.99, -15.99, 40.11
CIElCh	80, 43.179, 111.740
Yxy	56.6699, 0.3643, 0.4314
Android (android.graphics.Color)	4291022202 (0xFFC3CD7A)
YUV	192.5480, -34.7802, 2.1504
Hunter-Lab	75.2794, -18.2657, 31.5585

# Details

The Yxy color **56.6699, 0.3643, 0.4314** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.2400, 0.2466, 0.2084**, and the grayscale version is **53.2526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5372, 0.3583, 0.4070**, and **28.1636, 0.3751, 0.4589** is the 20% darker color. If you saturate the color by 10%, you get **55.8909, 0.3753, 0.4552**, and if you desaturate by 10%, it is **57.5666, 0.3521, 0.4061**.

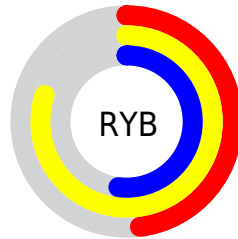
# Distribution



Red (76%)

Green (80%)

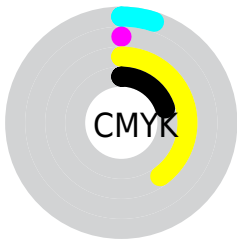
Blue (48%)



Red (48%)

Yellow (80%)

Blue (52%)

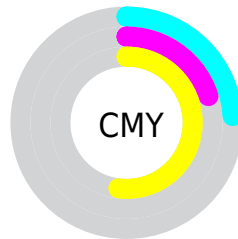


Cyan (5%)

Magenta (0%)

Yellow (40%)

Black (20%)



Cyan (24%)

Magenta (20%)


Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6699, 0.3643, 0.4314 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 56.6699, 0.3643, 0.4314 by changing the saturation by 10% instead.





 56.6699, 0.3643,  
0.4314


 56.6699, 0.3643,  
0.4314


412.2112, 0.3410,  
0.3811


 40.7403, 0.3692,  
0.4434


 99.9834, 0.3565,  
0.4135

 28.1162, 0.3749,  
0.4584


 128.1360, 0.3533,  
0.4066

 18.4133, 0.3815,  
0.4774


 161.1318, 0.3506,  
0.4008

 11.2471, 0.3886,  
0.5022

199.3550, 0.3482,  
0.3958

 6.2333, 0.3952,  
0.5351

243.1902, 0.3461,  
0.3914

 2.9875, 0.4068,  
0.5932

293.0217, 0.3442,

 1.1252, 0.3701,

0.3875

0.6299

349.2339, 0.3425,  
0.3841

0.0000, 0.0000,  
0.0000

56.6699, 0.3643,  
0.4314

56.6699, 0.3643,  
0.4314

55.8909, 0.3753,  
0.4552

57.5666, 0.3521,  
0.4061

55.2151, 0.3846,  
0.4764

58.5796, 0.3392,  
0.3803

54.6376, 0.3917,  
0.4942


59.7172, 0.3261,  
0.3547

54.1495, 0.3963,  
0.5078


60.9848, 0.3133,  
0.3301


53.7407, 0.3982,  
0.5168

62.3874, 0.3010,  
0.3069

 53.4069, 0.3982,  
0.5220

 63.9297, 0.2893,  
0.2853

 64.9196, 0.2848,  
0.2755

 65.2893, 0.2865,  
0.2758

 65.6647, 0.2882,  
0.2760

# Harmonies

## Analogous

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



56.6699, 0.4076, 0.4101



56.6699, 0.3643, 0.4314



56.6699, 0.3094, 0.4207

# Triad

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



56.6699, 0.3643, 0.4314



56.6699, 0.2112, 0.2716



56.6699, 0.3655, 0.2863

# Complementary

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



56.6699, 0.3643, 0.4314



23.2400, 0.2466, 0.2084

# 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.



56.6699, 0.3079, 0.2557



56.6699, 0.3643, 0.4314



56.6699, 0.2228, 0.2453

# Square

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



56.6699, 0.3643, 0.4314



56.6699, 0.2232, 0.3189



56.6699, 0.2565, 0.2408



56.6699, 0.4103, 0.3271



# Rectangle

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



56.6699, 0.3643, 0.4314



56.6699, 0.2738, 0.3940



56.6699, 0.2565, 0.2408



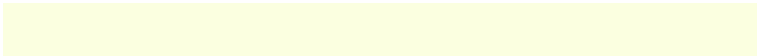
56.6699, 0.3467, 0.2747

# Sweetspot

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



56.6725, 0.3643, 0.4314



97.4924, 0.3283, 0.3590



30.8085, 0.4094, 0.3418



20.8131, 0.3301, 0.3623



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.



56.6725, 0.3643, 0.4314



91.6542, 0.3745, 0.4533



51.9212, 0.3303, 0.4439



13.0256, 0.3247, 0.3520



33.2762, 0.3985, 0.5218



1.7364, 0.4028, 0.5184



# Inverse Universe

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



23.2400, 0.2466, 0.2084



29.2250, 0.2284, 0.1769



27.2404, 0.2851, 0.2203



10.9075, 0.3001, 0.3052



2.8920, 0.1548, 0.0626



0.1712, 0.1680, 0.0699



# Previews

## White Background



This preview shows how the Yxy color 56.6699, 0.3643, 0.4314 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 56.6699, 0.3643, 0.4314 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

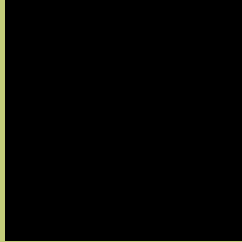
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.6699, 0.3643, 0.4314**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.6699, 0.3643, 0.4314.



This preview shows how white text looks on a background with the Yxy color 56.6699, 0.3643, 0.4314.

# 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

56.6699, 0.3643, 0.4314

### Protanopia

56.4718, 0.3885, 0.4208

### Deuteranopia

56.2523, 0.4071, 0.3979



## Tritanopia

56.8052, 0.3104, 0.3115

# Trichromacy



## Original Color

56.6699, 0.3643, 0.4314

## Protanomaly

56.6847, 0.3794, 0.4252

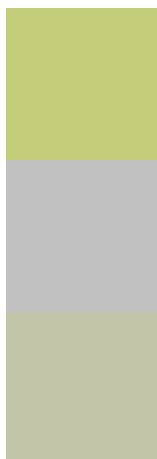
## Deuteranomaly

56.1989, 0.3908, 0.4094

## Tritanomaly

56.6178, 0.3307, 0.3545

# Monochromacy



## Original Color

56.6699, 0.3643, 0.4314

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

54.1919, 0.3328, 0.3666

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.6699, 0.3643, 0.4314 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(195, 205, 122)` looks like.

```
.text, #text, p{  
    color:rgb(195, 205, 122)  
}
```

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(195, 205, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 205, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 56.6699, 0.3643, 0.4314 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(195, 205, 122) }
```

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

```
.border{ border-color:rgb(195, 205, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 205, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 205, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 205, 122);  
box-shadow:4px 4px 4px 4px rgb(195, 205,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.6699, 0.3643, 0.4314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 205, 122) }
```

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

```
.background{ background-color: rgb(195,  
205, 122) }
```

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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