

# Converting Colors

$Yxy(60.7358, 0.4174, 0.4587)$

Have a look what the booklet for  
Yxy(60.7358, 0.4174, 0.4587)  
contains.

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# **Color**

**Yxy(60.7358, 0.4174, 0.4587)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4CD50
RGB	228, 205, 80
RGB Percent	89%, 80%, 31%
CMY	0.1060, 0.1960, 0.6861
CMYK	0.00, 0.10, 0.65, 0.11
HSL	51°, 73%, 60%
HSV	51°, 65%, 89%
XYZ	55.2673, 60.7358, 16.4054
YIQ	197.6270, 53.8330, -33.9990

# Conversions

## Conversions Part 2

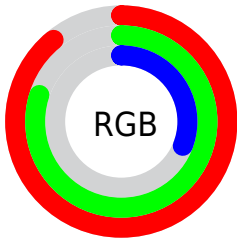
Format	Color
<a href="#">RYB</a>	<a href="#">107, 228, 80</a>
Decimal	<a href="#">14994768</a>
CIELab	<a href="#">82.24, -6.10, 62.95</a>
CIELCh	<a href="#">82, 63.245, 95.537</a>
Yxy	<a href="#">60.7358, 0.4174, 0.4587</a>
Android (android.graphics.Color)	<a href="#">4293184848</a> ( <a href="#">0xFFE4CD50</a> )
YUV	<a href="#">197.6270, -57.9901, 26.6371</a>
Hunter-Lab	<a href="#">77.9332, -9.7975, 42.0723</a>

# Details

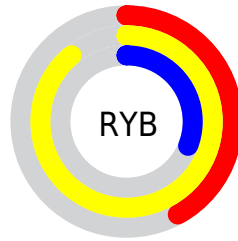
The Yxy color **60.7358, 0.4174, 0.4587** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **17.0037, 0.1933, 0.1483**, and the grayscale version is **56.5692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5293, 0.3824, 0.4443**, and **30.6153, 0.4356, 0.4841** is the 20% darker color. If you saturate the color by 10%, you get **58.7836, 0.4301, 0.4705**, and if you desaturate by 10%, it is **62.8463, 0.4026, 0.4430**.

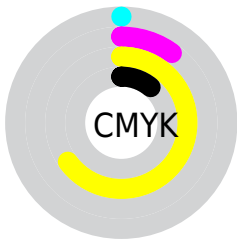
# Distribution



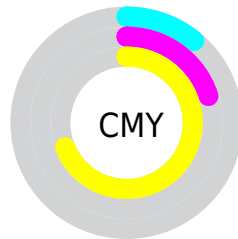
- Red (89%)
- Green (80%)
- Blue (31%)



- Red (42%)
- Yellow (89%)
- Blue (31%)



- Cyan (0%)
- Magenta (10%)
- Yellow (65%)
- Black (11%)




- Cyan (11%)
- Magenta (20%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.7358, 0.4174, 0.4587 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 60.7358, 0.4174, 0.4587 by changing the saturation by 10% instead.





 60.7358, 0.4174,  
0.4587


 60.7358, 0.4174,  
0.4587


427.3046, 0.3718,  
0.4001


 44.0120, 0.4261,  
0.4706


 105.8963, 0.4027,  
0.4393

 30.6799, 0.4357,  
0.4843


 135.1018, 0.3966,  
0.4314


 20.3552, 0.4458,  
0.4995


 169.2366, 0.3912,  
0.4245

 12.6535, 0.4557,  
0.5162

 208.6851, 0.3865,  
0.4185

 7.1904, 0.4650,  
0.5350

 253.8318, 0.3822,  
0.4131

 3.5815, 0.4591,  
0.5409

305.0610, 0.3783,

 1.4423, 0.4489,

0.4083

0.5511

362.7572, 0.3749,  
0.4040

■ 0.2476, 0.2586,  
0.7414

■ 0.0000, 0.0000,  
0.0000

■ 60.7358, 0.4174,  
0.4587

■ 60.7358, 0.4174,  
0.4587

■ 58.7836, 0.4301,  
0.4705

■ 62.8463, 0.4026,  
0.4430

■ 56.9687, 0.4401,  
0.4779

■ 65.1171, 0.3864,  
0.4243

■ 55.2789, 0.4472,  
0.4807

■ 67.5605, 0.3694,  
0.4037

■ 54.4519, 0.4501,  
0.4808

■ 70.1853, 0.3524,  
0.3821

■ 72.9993, 0.3358,  
0.3603

■ 76.0098, 0.3201,  
0.3391

■ 79.2239, 0.3053,  
0.3188

■ 82.1617, 0.2961,  
0.3069

■ 84.1878, 0.2961,  
0.3106

# Harmonies

## Analogous

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



60.7358, 0.4643, 0.4080



60.7358, 0.4174, 0.4587



60.7358, 0.3461, 0.4782

# Triad

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



60.7358, 0.4174, 0.4587



60.7358, 0.1786, 0.2772



60.7358, 0.3424, 0.2457

# Complementary

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



60.7358, 0.4174, 0.4587



17.0037, 0.1933, 0.1483

# 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.



60.7358, 0.2633, 0.2158



60.7358, 0.4174, 0.4587



60.7358, 0.1782, 0.2271

# Square

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



60.7358, 0.4174, 0.4587



60.7358, 0.2097, 0.3575



60.7358, 0.2066, 0.2082



60.7358, 0.4217, 0.2928



# Rectangle

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



60.7358, 0.4174, 0.4587



60.7358, 0.2946, 0.4598



60.7358, 0.2066, 0.2082



60.7358, 0.3145, 0.2335

# Sweetspot

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



60.7387, 0.4174, 0.4587



92.5607, 0.3427, 0.3695



23.2443, 0.4892, 0.3041



19.5893, 0.3475, 0.3758



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.



60.7387, 0.4174, 0.4587



74.9347, 0.4340, 0.4737



65.5908, 0.3640, 0.5006



16.4162, 0.3271, 0.3487



31.5956, 0.4495, 0.4813



2.4380, 0.4444, 0.4853



# Inverse Universe

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



17.0037, 0.1933, 0.1483



14.8731, 0.1720, 0.1108



16.0359, 0.2218, 0.1369



14.2463, 0.2980, 0.3085



4.0505, 0.1537, 0.0733



0.4108, 0.1601, 0.0962



# Previews

## White Background



This preview shows how the Yxy color 60.7358, 0.4174, 0.4587 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 60.7358, 0.4174, 0.4587 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 60.7358, 0.4174, 0.4587**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.7358, 0.4174, 0.4587.



This preview shows how white text looks on a background with the Yxy color 60.7358, 0.4174, 0.4587.

# 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

60.7358, 0.4174, 0.4587

### Protanopia

60.7358, 0.4174, 0.4587

### Deuteranopia

60.7256, 0.4447, 0.4359



## Tritanopia

60.5550, 0.3395, 0.3129

# Trichromacy



## Original Color

60.7358, 0.4174, 0.4587

## Protanomaly

60.7358, 0.4174, 0.4587

## Deuteranomaly

60.8685, 0.4349, 0.4441

## Tritanomaly

60.1679, 0.3722, 0.3692

# Monochromacy



## Original Color

60.7358, 0.4174, 0.4587

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

57.6952, 0.3537, 0.3843

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.7358, 0.4174, 0.4587 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(228, 205, 80)` looks like.

```
.text, #text, p{  
    color:rgb(228, 205, 80)  
}
```

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(228, 205, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 205, 80) }
```

## Border

The CSS property to change the border of an element to Yxy 60.7358, 0.4174, 0.4587 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(228, 205, 80) }
```

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

```
.border{ border-color:rgb(228, 205, 80) }
```

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

Here you see how a box with a 4 pixel rgb(228, 205, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 205, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 205, 80);  
box-shadow:4px 4px 4px 4px rgb(228, 205,  
80) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 60.7358, 0.4174, 0.4587$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 205, 80) }
```

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

```
.background{ background-color: rgb(228,  
205, 80) }
```

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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