

# Converting Colors

$Yxy(64.1512, 0.4287, 0.4783)$

Have a look what the booklet for  
Yxy(64.1512, 0.4287, 0.4783)  
contains.

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# **Color**

**Yxy(64.1512, 0.4287, 0.4783)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9D333
RGB	233, 211, 51
RGB Percent	91%, 83%, 20%
CMY	0.0862, 0.1725, 0.8003
CMYK	0.00, 0.09, 0.78, 0.09
HSL	53°, 81%, 56%
HSV	53°, 78%, 91%
XYZ	57.4987, 64.1512, 12.4735
YIQ	199.3380, 64.4720, -45.0960

# Conversions

## Conversions Part 2

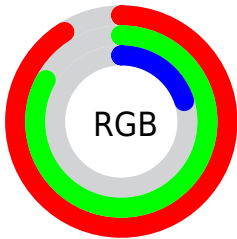
Format	Color
<a href="#">RYB</a>	<a href="#">76, 233, 51</a>
Decimal	<a href="#">15323955</a>
CIELab	<a href="#">84.04, -8.35, 75.36</a>
CIElCh	<a href="#">84, 75.818, 96.325</a>
Yxy	<a href="#">64.1512, 0.4287, 0.4783</a>
Android (android.graphics.Color)	<a href="#">4293514035</a> (0xFFE9D333)
YUV	<a href="#">199.3380, -73.1306, 29.5216</a>
Hunter-Lab	<a href="#">80.0944, -12.0226, 46.8326</a>

# Details

The Yxy color **64.1512, 0.4287, 0.4783** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **11.3418, 0.1707, 0.1049**, and the grayscale version is **57.7561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9277, 0.3939, 0.4633**, and **32.9982, 0.4364, 0.4917** is the 20% darker color. If you saturate the color by 10%, you get **62.6105, 0.4366, 0.4846**, and if you desaturate by 10%, it is **65.8254, 0.4180, 0.4675**.

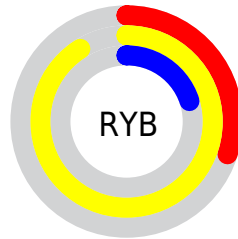
# Distribution



Red (91%)

Green (83%)

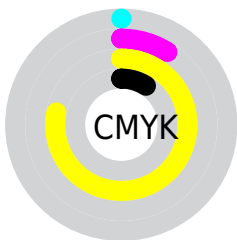
Blue (20%)



Red (30%)

Yellow (91%)

Blue (20%)

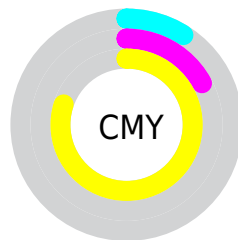


Cyan (0%)

Magenta (9%)

Yellow (78%)

Black (9%)



Cyan (9%)

Magenta (17%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1512, 0.4287, 0.4783 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 64.1512, 0.4287, 0.4783 by changing the saturation by 10% instead.



64.1512, 0.4287,  
0.4783

64.1512, 0.4287,  
0.4783

439.7354, 0.3811,  
0.4134

46.7731, 0.4367,  
0.4905

110.8287, 0.4142,  
0.4576

32.8564, 0.4449,  
0.5038

140.8969, 0.4080,  
0.4490

22.0164, 0.4523,  
0.5177

175.9639, 0.4023,  
0.4413

13.8690, 0.4620,  
0.5364

216.4142, 0.3971,  
0.4345

8.0296, 0.4578,  
0.5422

262.6321, 0.3925,  
0.4283

4.1139, 0.4503,  
0.5497

315.0020, 0.3883,

1.7375, 0.4376,

0.4229

0.5624

373.9083, 0.3845,  
0.4179

■ 0.4477, 0.3311,  
0.6689

■ 0.0000, 0.0000,  
0.0000

■ 64.1512, 0.4287,  
0.4783

■ 64.1512, 0.4287,  
0.4783

■ 62.6105, 0.4366,  
0.4846

■ 65.8254, 0.4180,  
0.4675

■ 61.1748, 0.4418,  
0.4866


■ 67.6375, 0.4049,  
0.4526


■ 60.9157, 0.4427,  
0.4867

■ 69.6023, 0.3900,  
0.4343

■ 71.7299, 0.3739,  
0.4136

 74.0297, 0.3573,  
0.3915

 76.5100, 0.3409,  
0.3689

 79.1786, 0.3250,  
0.3466

 82.0430, 0.3100,  
0.3251

 84.7419, 0.2993,  
0.3102

# Harmonies

## Analogous

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



64.1512, 0.4863, 0.4169



64.1512, 0.4287, 0.4783



64.1512, 0.3457, 0.5059

# Triad

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



64.1512, 0.4287, 0.4783



64.1512, 0.1590, 0.2645



64.1512, 0.3491, 0.2347

# Complementary

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



64.1512, 0.4287, 0.4783



11.3418, 0.1707, 0.1049

# 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.



64.1512, 0.2568, 0.2007



64.1512, 0.4287, 0.4783



64.1512, 0.1601, 0.2098

# Square

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



64.1512, 0.4287, 0.4783



64.1512, 0.1915, 0.3586



64.1512, 0.1922, 0.1910



64.1512, 0.4429, 0.2874



# Rectangle

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



64.1512, 0.4287, 0.4783



64.1512, 0.2867, 0.4849



64.1512, 0.1922, 0.1910



64.1512, 0.3163, 0.2209

# Sweetspot

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



64.1543, 0.4287, 0.4783



92.3408, 0.3490, 0.3801



20.1975, 0.5553, 0.3110



19.5314, 0.3550, 0.3883



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.



64.1543, 0.4287, 0.4783



75.7001, 0.4402, 0.4862



66.6591, 0.3619, 0.5300



17.2980, 0.3271, 0.3495



34.6820, 0.4423, 0.4870



2.8110, 0.4386, 0.4899



# Inverse Universe

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



11.3418, 0.1707, 0.1049



9.1462, 0.1549, 0.0740



12.0741, 0.2053, 0.1063



14.8422, 0.2980, 0.3076



3.9078, 0.1525, 0.0691



0.4027, 0.1576, 0.0875



# Previews

## White Background



This preview shows how the Yxy color 64.1512, 0.4287, 0.4783 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

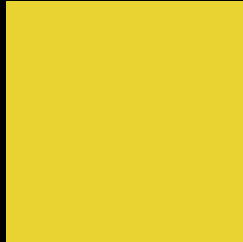
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.1512, 0.4287, 0.4783 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 64.1512, 0.4287, 0.4783**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1512, 0.4287, 0.4783.

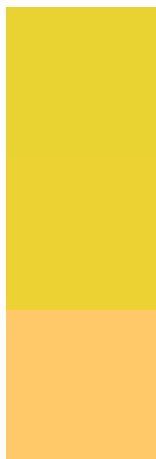


This preview shows how white text looks on a background with the Yxy color 64.1512, 0.4287, 0.4783.

# 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

64.1512, 0.4287, 0.4783

### Protanopia

64.1651, 0.4319, 0.4758

### Deuteranopia

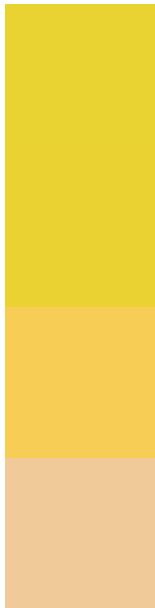
64.0532, 0.4282, 0.4241



## Tritanopia

64.0984, 0.3397, 0.3133

# Trichromacy



## Original Color

64.1512, 0.4287, 0.4783

## Protanomaly

63.9944, 0.4311, 0.4764

## Deuteranomaly

64.0927, 0.4305, 0.4462

## Tritanomaly

63.2417, 0.3818, 0.3823

# Monochromacy



## Original Color

64.1512, 0.4287, 0.4783

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

58.6051, 0.3622, 0.3981

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.1512, 0.4287, 0.4783 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(233, 211, 51)` looks like.

```
.text, #text, p{  
    color:rgb(233, 211, 51)  
}
```

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(233, 211, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 211, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1512, 0.4287, 0.4783 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(233, 211, 51) }
```

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

```
.border{ border-color:rgb(233, 211, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 211, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 211, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 211, 51);  
box-shadow:4px 4px 4px 4px rgb(233, 211,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1512, 0.4287, 0.4783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 211, 51) }
```

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

```
.background{ background-color: rgb(233,  
211, 51) }
```

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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