

# Converting Colors

$Y_{xy}(64.6278, 0.4257, 0.4910)$

Have a look what the booklet for  
Yxy(64.6278, 0.4257, 0.4910)  
contains.

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# Color

**Yxy(64.5338, 0.4259, 0.4908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3D621
RGB	227, 214, 33
RGB Percent	89%, 84%, 13%
CMY	0.1098, 0.1608, 0.8701
CMYK	0.00, 0.06, 0.85, 0.11
HSL	56°, 78%, 51%
HSV	56°, 85%, 89%
XYZ	56.0003, 64.5338, 10.9529
YIQ	197.2530, 65.8490, -53.5350

# Conversions

## Conversions Part 2

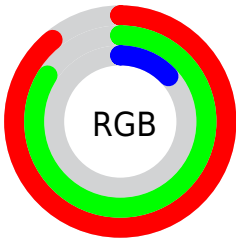
Format	Color
R <sub>Y</sub> B	47, 227, 33
Decimal	14931489
CIE Lab	84.24, -12.91, 79.82
CIE LCh	84, 80.856, 99.191
Yxy	64.5338, 0.4259, 0.4908
Android (android.graphics.Color)	4293121569 (0xFFE3D621)
YUV	197.2530, -80.9767, 26.0881
Hunter-Lab	80.3329, -16.1498, 48.1493

# Details

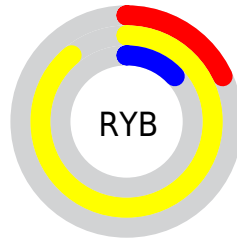
The Yxy color **64.5338, 0.4259, 0.4908** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **7.8354, 0.1601, 0.0810**, and the grayscale version is **56.4758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6809, 0.3990, 0.4716**, and **33.3571, 0.4268, 0.4994** is the 20% darker color. If you saturate the color by 10%, you get **63.6828, 0.4303, 0.4946**, and if you desaturate by 10%, it is **65.4838, 0.4188, 0.4827**.

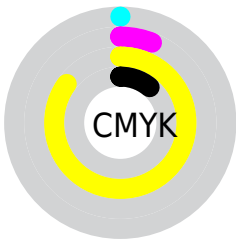
# Distribution



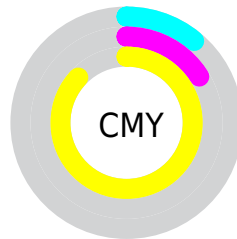
- Red (89%)
- Green (84%)
- Blue (13%)



- Red (18%)
- Yellow (89%)
- Blue (13%)



- Cyan (0%)
- Magenta (6%)
- Yellow (85%)
- Black (11%)




- Cyan (11%)
- Magenta (16%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5338, 0.4259, 0.4908 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 64.5338, 0.4259, 0.4908 by changing the saturation by 10% instead.




 64.5338, 0.4259,  
0.4908

 64.5338, 0.4259,  
0.4908


441.1148, 0.3811,  
0.4205

 47.0832, 0.4328,  
0.5039


 111.3793, 0.4128,  
0.4685

 33.1014, 0.4393,  
0.5180


 141.5430, 0.4070,  
0.4591


 22.2041, 0.4443,  
0.5327


 176.7132, 0.4016,  
0.4508

 14.0070, 0.4492,  
0.5508


 217.2742, 0.3967,  
0.4434

 8.1255, 0.4415,  
0.5585

 263.6105, 0.3923,  
0.4367

 4.1754, 0.4297,  
0.5703

 316.1064, 0.3882,

 1.7721, 0.4100,

0.4308

0.5900

375.1463, 0.3845,  
0.4254

■ 0.4697, 0.2183,  
0.7817

■ 0.0000, 0.0000,  
0.0000

■ 64.5338, 0.4259,  
0.4908

■ 64.5338, 0.4259,  
0.4908

■ 63.6828, 0.4303,  
0.4946


■ 65.4838, 0.4188,  
0.4827

■ 63.3099, 0.4317,  
0.4954

■ 66.5384, 0.4091,  
0.4701


■ 67.7129, 0.3969,  
0.4536

■ 69.0175, 0.3829,  
0.4338

 70.4616, 0.3677,  
0.4117

 72.0534, 0.3520,  
0.3884

 73.8007, 0.3361,  
0.3647

 75.7105, 0.3207,  
0.3413

 77.7894, 0.3061,  
0.3188

# Harmonies

## Analogous

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



64.5338, 0.4912, 0.4261



64.5338, 0.4259, 0.4908



64.5338, 0.3370, 0.5172

# Triad

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



64.5338, 0.4259, 0.4908



64.5338, 0.1499, 0.2524



64.5338, 0.3612, 0.2343

# Complementary

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



64.5338, 0.4259, 0.4908



7.8354, 0.1601, 0.0810

# 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.



64.5338, 0.2614, 0.1967



64.5338, 0.4259, 0.4908



64.5338, 0.1545, 0.1997

# Square

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



64.5338, 0.4259, 0.4908



64.5338, 0.1797, 0.3488



64.5338, 0.1909, 0.1838



64.5338, 0.4590, 0.2904



# Rectangle

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



64.5338, 0.4259, 0.4908



64.5338, 0.2754, 0.4901



64.5338, 0.1909, 0.1838



64.5338, 0.3259, 0.2193

# Sweetspot

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



64.5369, 0.4259, 0.4908



93.6392, 0.3532, 0.3902



17.6498, 0.5955, 0.3206



19.8843, 0.3587, 0.3984



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.



64.5369, 0.4259, 0.4908



82.3582, 0.4318, 0.4954



61.1779, 0.3540, 0.5463



16.6431, 0.3269, 0.3507



36.9930, 0.4315, 0.4956



2.7837, 0.4295, 0.4971



# Inverse Universe

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



7.8354, 0.1601, 0.0810



7.6236, 0.1509, 0.0630



10.2126, 0.2031, 0.0972



14.0414, 0.2980, 0.3063



3.4965, 0.1512, 0.0643

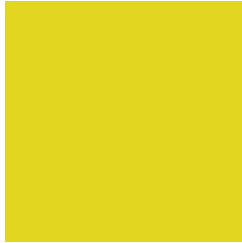


0.3132, 0.1545, 0.0763



# Previews

## White Background



This preview shows how the Yxy color 64.5338, 0.4259, 0.4908 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 64.5338, 0.4259, 0.4908 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 64.5338, 0.4259, 0.4908**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.5338, 0.4259, 0.4908.



This preview shows how white text looks on a background with the Yxy color 64.5338, 0.4259, 0.4908.

# 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

64.5338, 0.4259, 0.4908

### Protanopia

64.6973, 0.4366, 0.4830

### Deuteranopia

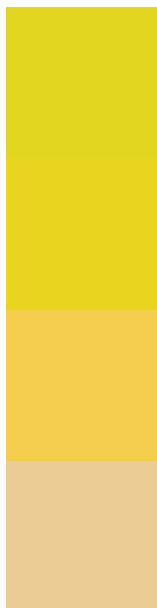
64.0739, 0.4275, 0.4232



## Tritanopia

64.2784, 0.3332, 0.3121

# Trichromacy



## Original Color

64.5338, 0.4259, 0.4908

## Protanomaly

64.5149, 0.4326, 0.4861

## Deuteranomaly

64.1343, 0.4306, 0.4515

## Tritanomaly

63.0178, 0.3790, 0.3898

# Monochromacy



## Original Color

64.5338, 0.4259, 0.4908

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

57.9279, 0.3656, 0.4082

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.5338, 0.4259, 0.4908 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(227, 214, 33)` looks like.

```
.text, #text, p{  
    color:rgb(227, 214, 33)  
}
```

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(227, 214, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 214, 33) }
```

## Border

The CSS property to change the border of an element to Yxy 64.5338, 0.4259, 0.4908 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(227, 214, 33) }
```

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

```
.border{ border-color:rgb(227, 214, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 214, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 214, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 214, 33);  
box-shadow:4px 4px 4px 4px rgb(227, 214,  
33) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.5338, 0.4259, 0.4908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 214, 33) }
```

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

```
.background{ background-color: rgb(227,  
214, 33) }
```

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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