

# Converting Colors

Yxy(65.4653, 0.4335, 0.4940)

Have a look what the booklet for  
Yxy(65.4653, 0.4335, 0.4940)  
contains.

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# Color

**Yxy(65.2489, 0.4338, 0.4938)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8D600
RGB	232, 214, 0
RGB Percent	91%, 84%, 0%
CMY	0.0903, 0.1607, 1.0000
CMYK	0.00, 0.08, 1.00, 0.09
HSL	55°, 100%, 45%
HSV	55°, 100%, 91%
XYZ	57.3207, 65.2489, 9.5667
YIQ	194.9860, 79.4220, -62.7380

# Conversions

## Conversions Part 2

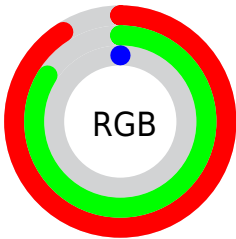
Format	Color
R <sub>Y</sub> B	20, 232, 0
Decimal	15259136
CIE Lab	84.61, -11.24, 84.56
CIE LCh	85, 85.299, 97.569
Yxy	65.2489, 0.4338, 0.4938
Android (android.graphics.Color)	4293449216 (0xFFE8D600)
YUV	194.9860, -96.1281, 32.4613
Hunter-Lab	80.7768, -14.6924, 49.5218

# Details

The Yxy color **65.2489, 0.4338, 0.4938** 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 **6.2570, 0.1511, 0.0640**, and the grayscale version is **55.1144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **33.7995, 0.4309, 0.4960** is the 20% darker color. If you saturate the color by 10%, you get **65.2524, 0.4338, 0.4938**, and if you desaturate by 10%, it is **66.2299, 0.4301, 0.4916**.

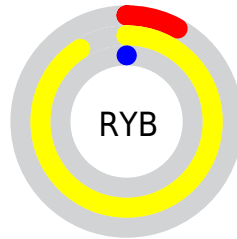
# Distribution



Red (91%)

Green (84%)

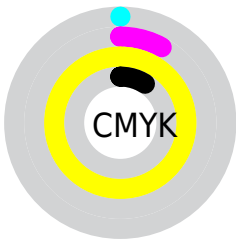
Blue (0%)



Red (8%)

Yellow (91%)

Blue (0%)

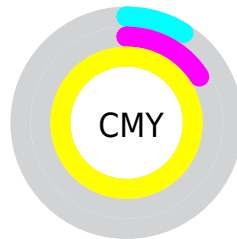


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (16%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.2489, 0.4338, 0.4938 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 65.2489, 0.4338, 0.4938 by changing the saturation by 10% instead.




 65.2489, 0.4338,  
0.4938


 65.2489, 0.4338,  
0.4938


443.6859, 0.3868,  
0.4241


 47.6629, 0.4407,  
0.5061


 112.4076, 0.4204,  
0.4722


 33.5600, 0.4470,  
0.5190


 142.7492, 0.4142,  
0.4630

 22.5558, 0.4519,  
0.5323


 178.1114, 0.4086,  
0.4547

 14.2659, 0.4545,  
0.5455

 218.8786, 0.4034,  
0.4472

 8.3058, 0.4478,  
0.5522

 265.4353, 0.3987,  
0.4405

 4.2912, 0.4379,  
0.5621


 318.1658, 0.3943,

 1.8378, 0.4212,


0.4345


0.5788


377.4545, 0.3904,  
0.4290


 0.5106, 0.2924,  
0.7076


 0.0000, 0.0000,  
0.0000


 65.2489, 0.4338,  
0.4938


 65.2489, 0.4338,  
0.4938

 65.2524, 0.4338,  
0.4938

 66.2299, 0.4301,  
0.4916

 67.2926, 0.4240,  
0.4857

 68.4643, 0.4151,  
0.4753

 69.7590, 0.4037,  
0.4606

■ 71.1884, 0.3903,  
0.4423

■ 72.7628, 0.3753,  
0.4213

■ 74.4913, 0.3595,  
0.3986

■ 76.3825, 0.3435,  
0.3751

■ 78.4439, 0.3278,  
0.3517

# Harmonies

## Analogous

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



65.2489, 0.5009, 0.4241



65.2489, 0.4338, 0.4938



65.2489, 0.3418, 0.5276

# Triad

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



65.2489, 0.4338, 0.4938



65.2489, 0.1443, 0.2523



65.2489, 0.3571, 0.2276

# Complementary

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



65.2489, 0.4338, 0.4938



6.2570, 0.1511, 0.0640

# 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.



65.2489, 0.2539, 0.1902



65.2489, 0.4338, 0.4938



65.2489, 0.1474, 0.1960

# Square

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



65.2489, 0.4338, 0.4938



65.2489, 0.1764, 0.3558



65.2489, 0.1830, 0.1783



65.2489, 0.4617, 0.2847



# Rectangle

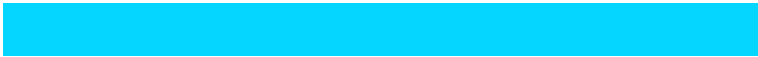
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.2489, 0.4338, 0.4938



65.2489, 0.2776, 0.5035



65.2489, 0.1830, 0.1783



65.2489, 0.3203, 0.2126

# Sweetspot

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



65.2524, 0.4338, 0.4938



92.2912, 0.3598, 0.3990



17.2014, 0.6326, 0.3259



19.5549, 0.3665, 0.4087



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.



65.2524, 0.4338, 0.4938



80.8168, 0.4339, 0.4937



62.8823, 0.3477, 0.5621



16.6160, 0.3269, 0.3505



36.3160, 0.4335, 0.4940



2.7408, 0.4312, 0.4958



# Inverse Universe

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



6.2570, 0.1511, 0.0640



7.7117, 0.1510, 0.0637



8.3481, 0.1858, 0.0797



14.0656, 0.2980, 0.3066



3.5440, 0.1514, 0.0651

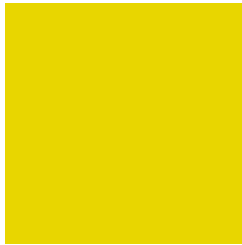


0.3248, 0.1552, 0.0787



# Previews

## White Background



This preview shows how the Yxy color 65.2489, 0.4338, 0.4938 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

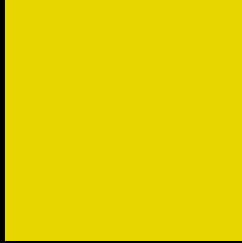
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.2489, 0.4338, 0.4938 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 65.2489, 0.4338, 0.4938**

## Background



This preview shows how black text looks on a background with the Yxy color 65.2489, 0.4338, 0.4938.

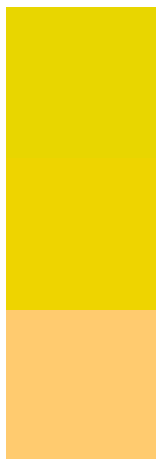


This preview shows how white text looks on a background with the Yxy color 65.2489, 0.4338, 0.4938.

# 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

65.2489, 0.4338, 0.4938

### Protanopia

65.2641, 0.4403, 0.4886

### Deuteranopia

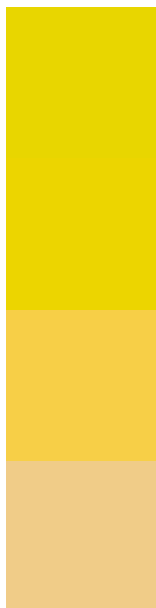
65.1196, 0.4231, 0.4208



## Tritanopia

65.1144, 0.3379, 0.3133

# Trichromacy



## Original Color

65.2489, 0.4338, 0.4938

## Protanomaly

65.4214, 0.4378, 0.4906

## Deuteranomaly

64.8547, 0.4356, 0.4571

## Tritanomaly

63.4886, 0.3929, 0.4025

# Monochromacy



## Original Color

65.2489, 0.4338, 0.4938

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

57.1062, 0.3753, 0.4221

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.2489, 0.4338, 0.4938 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(232, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 214, 0)  
}
```

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(232, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 214, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 65.2489, 0.4338, 0.4938 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(232, 214, 0) }
```

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

```
.border{ border-color:rgb(232, 214, 0) }
```

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

Here you see how a box with a 4 pixel rgb(232, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 214,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.2489, 0.4338, 0.4938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 214, 0) }
```

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

```
.background{ background-color: rgb(232,  
214, 0) }
```

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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