

# Converting Colors

$Y_{xy}(67.6321, 0.4109, 0.4725)$

Have a look what the booklet for  
Yxy(67.6321, 0.4109, 0.4725)  
contains.

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**Color**

**Yxy(67.8290, 0.4109, 0.4730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5DB4B
RGB	229, 219, 75
RGB Percent	90%, 86%, 29%
CMY	0.1018, 0.1412, 0.7057
CMYK	0.00, 0.04, 0.67, 0.10
HSL	56°, 75%, 60%
HSV	56°, 67%, 90%
XYZ	58.9238, 67.8290, 16.6489
YIQ	205.5740, 52.1840, -42.6640

# Conversions

## Conversions Part 2

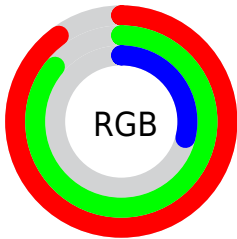
Format	Color
R <sub>Y</sub> B	86, 229, 75
Decimal	15063883
CIE Lab	85.92, -12.98, 68.78
CIE LCh	86, 69.991, 100.684
Yxy	67.8290, 0.4109, 0.4730
Android (android.graphics.Color)	4293253963 (0xFFE5DB4B)
YUV	205.5740, -64.3730, 20.5446
Hunter-Lab	82.3584, -16.4183, 45.6652

# Details

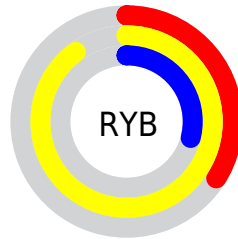
The Yxy color **67.8290, 0.4109, 0.4730** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **13.6654, 0.1851, 0.1246**, and the grayscale version is **61.8358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4187, 0.3845, 0.4476**, and **35.0970, 0.4256, 0.5003** is the 20% darker color. If you saturate the color by 10%, you get **66.7972, 0.4201, 0.4848**, and if you desaturate by 10%, it is **68.9870, 0.3992, 0.4571**.

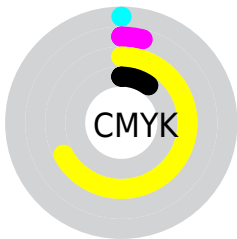
# Distribution



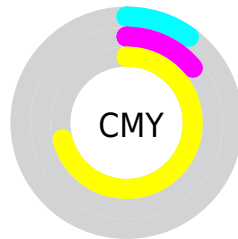
- Red (90%)
- Green (86%)
- Blue (29%)



- Red (34%)
- Yellow (90%)
- Blue (29%)



- Cyan (0%)
- Magenta (4%)
- Yellow (67%)
- Black (10%)




- Cyan (10%)
- Magenta (14%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8290, 0.4109, 0.4730 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 67.8290, 0.4109, 0.4730 by changing the saturation by 10% instead.





 67.8290, 0.4109,  
0.4730

 67.8290, 0.4109,  
0.4730


452.8899, 0.3703,  
0.4086


 49.7586, 0.4180,  
0.4860


 116.1075, 0.3984,  
0.4518


 35.2217, 0.4255,  
0.5009


 147.0844, 0.3930,  
0.4432

 23.8337, 0.4327,  
0.5175


 183.1323, 0.3882,  
0.4356

 15.2103, 0.4386,  
0.5358

 224.6355, 0.3839,  
0.4289

 8.9671, 0.4428,  
0.5572

 271.9785, 0.3800,  
0.4229

 4.7197, 0.4318,  
0.5682


325.5456, 0.3764,

 2.0838, 0.4139,


0.4176


0.5861


385.7213, 0.3732,  
0.4128


 0.6555, 0.3184,  
0.6816


 0.0000, 0.0000,  
0.0000


 67.8290, 0.4109,  
0.4730


 67.8290, 0.4109,  
0.4730


 66.7972, 0.4201,  
0.4848


 68.9870, 0.3992,  
0.4571


 65.8692, 0.4266,  
0.4921


 70.2726, 0.3856,  
0.4378


 65.0315, 0.4305,  
0.4952


 71.6985, 0.3706,  
0.4161


 64.8085, 0.4314,  
0.4957

 73.2734, 0.3549,  
0.3929

 75.0053, 0.3390,  
0.3691

 76.9015, 0.3235,  
0.3456

 78.9689, 0.3087,  
0.3228

 81.0020, 0.2967,  
0.3045

 81.8412, 0.2967,  
0.3060

# Harmonies

## Analogous

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



67.8290, 0.4672, 0.4213



67.8290, 0.4109, 0.4730



67.8290, 0.3330, 0.4868

# Triad

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



67.8290, 0.4109, 0.4730



67.8290, 0.1690, 0.2616



67.8290, 0.3594, 0.2484

# Complementary

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



67.8290, 0.4109, 0.4730



13.6654, 0.1851, 0.1246

# 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.



67.8290, 0.2731, 0.2136



67.8290, 0.4109, 0.4730



67.8290, 0.1740, 0.2153

# Square

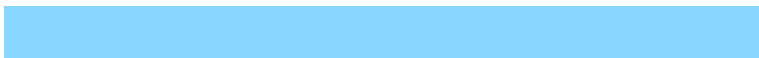
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.8290, 0.4109, 0.4730



67.8290, 0.1954, 0.3426



67.8290, 0.2087, 0.2012



67.8290, 0.4408, 0.2998



# Rectangle

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



67.8290, 0.4109, 0.4730



67.8290, 0.2790, 0.4598



67.8290, 0.2087, 0.2012



67.8290, 0.3294, 0.2346

# Sweetspot

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



67.8322, 0.4109, 0.4730



95.0365, 0.3436, 0.3760



22.3614, 0.5220, 0.3199



20.2071, 0.3481, 0.3827



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.



67.8322, 0.4109, 0.4730



84.7041, 0.4232, 0.4884



64.2792, 0.3533, 0.5131



16.6478, 0.3269, 0.3507



37.1112, 0.4312, 0.4959



2.7912, 0.4293, 0.4974



# Inverse Universe

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



13.6654, 0.1851, 0.1246



11.2955, 0.1641, 0.0883



16.4265, 0.2314, 0.1368



14.0372, 0.2980, 0.3063



3.4887, 0.1512, 0.0642



0.3112, 0.1544, 0.0758



# Previews

## White Background



This preview shows how the Yxy color 67.8290, 0.4109, 0.4730 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 67.8290, 0.4109, 0.4730 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 67.8290, 0.4109, 0.4730**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.8290, 0.4109, 0.4730.



This preview shows how white text looks on a background with the Yxy color 67.8290, 0.4109, 0.4730.

# 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

67.8290, 0.4109, 0.4730

### Protanopia

67.6206, 0.4228, 0.4651

### Deuteranopia

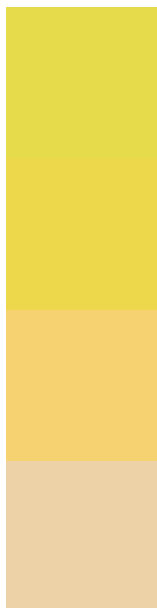
67.5791, 0.4058, 0.4046



## Tritanopia

67.7603, 0.3295, 0.3123

# Trichromacy



## Original Color

67.8290, 0.4109, 0.4730

## Protanomaly

67.4390, 0.4189, 0.4679

## Deuteranomaly

67.3512, 0.4103, 0.4303

## Tritanomaly

66.9249, 0.3644, 0.3749

# Monochromacy



## Original Color

67.8290, 0.4109, 0.4730

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

63.3533, 0.3528, 0.3908

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.8290, 0.4109, 0.4730 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(229, 219, 75)` looks like.

```
.text, #text, p{  
    color:rgb(229, 219, 75)  
}
```

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(229, 219, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 219, 75) }
```

## Border

The CSS property to change the border of an element to Yxy 67.8290, 0.4109, 0.4730 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(229, 219, 75) }
```

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

```
.border{ border-color:rgb(229, 219, 75) }
```

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

Here you see how a box with a 4 pixel rgb(229, 219, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 219, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 219, 75);  
box-shadow:4px 4px 4px 4px rgb(229, 219,  
75) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.8290, 0.4109, 0.4730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 219, 75) }
```

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

```
.background{ background-color: rgb(229,  
219, 75) }
```

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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