

# Converting Colors

Yxy(66.3116, 0.4257, 0.5002)

Have a look what the booklet for  
Yxy(66.3116, 0.4257, 0.5002)  
contains.

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**Color**

**Yxy(66.3116, 0.4257, 0.5002)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2DA00
RGB	226, 218, 0
RGB Percent	89%, 85%, 0%
CMY	0.1137, 0.1451, 1.0000
CMYK	0.00, 0.04, 1.00, 0.11
HSL	58°, 100%, 44%
HSV	58°, 100%, 89%
XYZ	56.4351, 66.3116, 9.8234
YIQ	195.5400, 74.7460, -66.1020

# Conversions

## Conversions Part 2

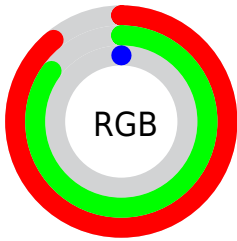
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	8, 226, 0
Decimal	14866944
CIE Lab	85.16, -15.76, 84.70
CIE LCh	85, 86.159, 100.543
Yxy	66.3116, 0.4257, 0.5002
Android (android.graphics.Color)	4293057024 (0xFFE2DA00)
YUV	195.5400, -96.4012, 26.7134
Hunter-Lab	81.4319, -18.7993, 49.8500

# Details

The Yxy color **66.3116, 0.4257, 0.5002** 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 **5.6644, 0.1505, 0.0617**, and the grayscale version is **55.4687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **34.3014, 0.4225, 0.5028** is the 20% darker color. If you saturate the color by 10%, you get **66.3148, 0.4257, 0.5002**, and if you desaturate by 10%, it is **66.7906, 0.4230, 0.4974**.

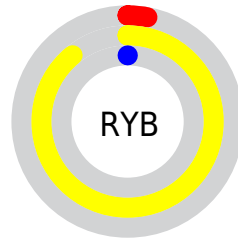
# Distribution



Red (89%)

Green (85%)

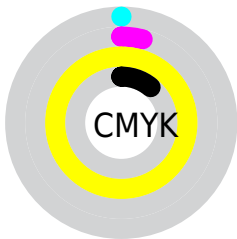
Blue (0%)



Red (3%)

Yellow (89%)

Blue (0%)

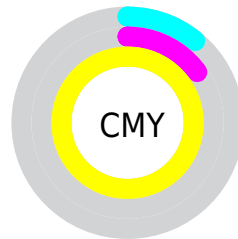


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (15%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3116, 0.4257, 0.5002 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 66.3116, 0.4257, 0.5002 by changing the saturation by 10% instead.




 66.3116, 0.4257,  
0.5002


 66.3116, 0.4257,  
0.5002


447.4904, 0.3827,  
0.4267


 48.5254, 0.4317,  
0.5135


 113.9334, 0.4137,  
0.4772

 34.2431, 0.4369,  
0.5278


 144.5379, 0.4081,  
0.4674


 23.0805, 0.4403,  
0.5427


 180.1838, 0.4029,  
0.4587

 14.6529, 0.4413,  
0.5587

 221.2557, 0.3982,  
0.4509

 8.5762, 0.4321,  
0.5679

 268.1379, 0.3938,  
0.4439

 4.4658, 0.4182,  
0.5818


 321.2149, 0.3898,

 1.9374, 0.3952,


0.4376


0.6048


380.8709, 0.3861,  
0.4319


 0.5707, 0.2164,  
0.7836


 0.0000, 0.0000,  
0.0000


 66.3116, 0.4257,  
0.5002

 66.3116, 0.4257,  
0.5002

 66.3148, 0.4257,  
0.5002

 66.7906, 0.4230,  
0.4974

 67.3389, 0.4180,  
0.4910

 67.9823, 0.4104,  
0.4802

 68.7340, 0.4002,  
0.4651

69.6048, 0.3877,  
0.4464

70.6043, 0.3737,  
0.4248

71.7412, 0.3586,  
0.4014

73.0232, 0.3431,  
0.3770

74.4578, 0.3277,  
0.3527

# Harmonies

## Analogous

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



66.3116, 0.4967, 0.4316



66.3116, 0.4257, 0.5002



66.3116, 0.3321, 0.5278

# Triad

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



66.3116, 0.4257, 0.5002



66.3116, 0.1425, 0.2443



66.3116, 0.3685, 0.2322

# Complementary

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



66.3116, 0.4257, 0.5002



5.6644, 0.1505, 0.0617

# 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.



66.3116, 0.2627, 0.1923



66.3116, 0.4257, 0.5002



66.3116, 0.1489, 0.1922

# Square

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



66.3116, 0.4257, 0.5002



66.3116, 0.1709, 0.3438



66.3116, 0.1879, 0.1777



66.3116, 0.4708, 0.2908



# Rectangle

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



66.3116, 0.4257, 0.5002



66.3116, 0.2681, 0.4971



66.3116, 0.1879, 0.1777



66.3116, 0.3312, 0.2164

# Sweetspot

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



66.3148, 0.4257, 0.5002



94.3005, 0.3589, 0.4018



16.1934, 0.6360, 0.3277



20.0439, 0.3654, 0.4119



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.



66.3148, 0.4257, 0.5002



87.1608, 0.4257, 0.5002



58.6994, 0.3428, 0.5660



15.9420, 0.3268, 0.3514



37.8718, 0.4256, 0.5003



2.6514, 0.4245, 0.5011



# Inverse Universe

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



5.6644, 0.1505, 0.0617



7.4158, 0.1504, 0.0615



8.2982, 0.1917, 0.0830



13.3206, 0.2981, 0.3056



3.2677, 0.1507, 0.0623



0.2543, 0.1525, 0.0691



# Previews

## White Background



This preview shows how the Yxy color 66.3116, 0.4257, 0.5002 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

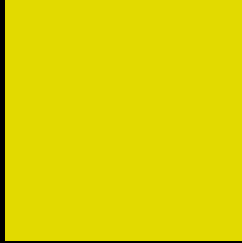
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.3116, 0.4257, 0.5002 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 66.3116, 0.4257, 0.5002**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.3116, 0.4257, 0.5002.

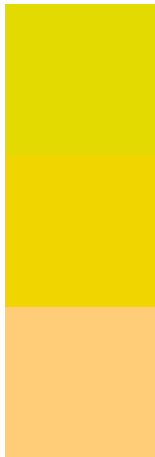


This preview shows how white text looks on a background with the Yxy color 66.3116, 0.4257, 0.5002.

# 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

66.3116, 0.4257, 0.5002

### Protanopia

66.1138, 0.4409, 0.4881

### Deuteranopia

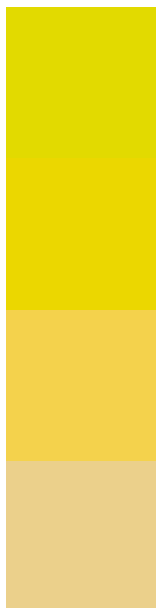
66.2546, 0.4166, 0.4157



## Tritanopia

66.2991, 0.3304, 0.3132

# Trichromacy



## Original Color

66.3116, 0.4257, 0.5002

## Protanomaly

66.2630, 0.4353, 0.4926

## Deuteranomaly

65.8481, 0.4288, 0.4579

## Tritanomaly

64.6380, 0.3848, 0.4046

# Monochromacy



## Original Color

66.3116, 0.4257, 0.5002

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

57.9318, 0.3729, 0.4233

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.3116, 0.4257, 0.5002 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(226, 218, 0)` looks like.

```
.text, #text, p{  
    color:rgb(226, 218, 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(226, 218, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 218, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 66.3116, 0.4257, 0.5002 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(226, 218, 0) }
```

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

```
.border{ border-color:rgb(226, 218, 0) }
```

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

Here you see how a box with a 4 pixel rgb(226, 218, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 218, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 218, 0);  
box-shadow:4px 4px 4px 4px rgb(226, 218,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.3116, 0.4257, 0.5002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 218, 0) }
```

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

```
.background{ background-color: rgb(226,  
218, 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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