

# Converting Colors

Yxy(67.1662, 0.4025, 0.4684)

Have a look what the booklet for  
Yxy(67.1662, 0.4025, 0.4684)  
contains.

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# Color

**Yxy(67.1662, 0.4025, 0.4684)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0DB55
RGB	224, 219, 85
RGB Percent	88%, 86%, 33%
CMY	0.1215, 0.1412, 0.6667
CMYK	0.00, 0.02, 0.62, 0.12
HSL	58°, 69%, 61%
HSV	58°, 62%, 88%
XYZ	57.7165, 67.1662, 18.5123
YIQ	205.2190, 45.9940, -40.6140

# Conversions

## Conversions Part 2

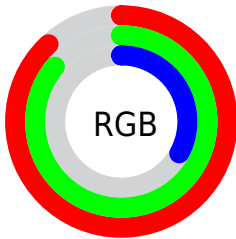
Format	Color
<b>RYB</b>	90, 224, 85
Decimal	14736213
CIELab	85.59, -14.47, 64.35
CIELCh	86, 65.961, 102.674
Yxy	67.1662, 0.4025, 0.4684
Android (android.graphics.Color)	4292926293 (0xFFE0DB55)
YUV	205.2190, -59.2680, 16.4709
Hunter-Lab	81.9550, -17.7133, 43.9759

# Details

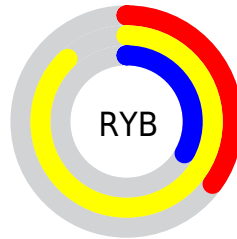
The Yxy color **67.1662, 0.4025, 0.4684** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **14.6270, 0.1936, 0.1358**, and the grayscale version is **61.5624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6734, 0.3798, 0.4400**, and **34.7239, 0.4171, 0.4966** is the 20% darker color. If you saturate the color by 10%, you get **66.4466, 0.4122, 0.4826**, and if you desaturate by 10%, it is **68.0068, 0.3905, 0.4504**.

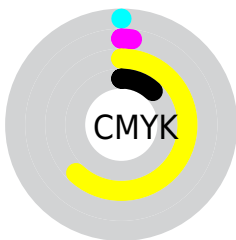
# Distribution



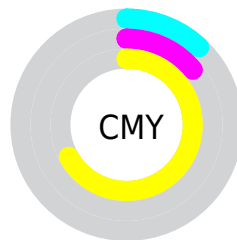
- Red (88%)
- Green (86%)
- Blue (33%)



- Red (35%)
- Yellow (88%)
- Blue (33%)



- Cyan (0%)
- Magenta (2%)
- Yellow (62%)
- Black (12%)




- Cyan (12%)
- Magenta (14%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1662, 0.4025, 0.4684 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 67.1662, 0.4025, 0.4684 by changing the saturation by 10% instead.





 67.1662, 0.4025,  
0.4684

 67.1662, 0.4025,  
0.4684


450.5361, 0.3650,  
0.4049


 49.2197, 0.4093,  
0.4817


 115.1585, 0.3908,  
0.4472


 34.7938, 0.4165,  
0.4971


 145.9731, 0.3858,  
0.4386

 23.5041, 0.4237,  
0.5149


 181.8459, 0.3814,  
0.4312

 14.9662, 0.4296,  
0.5348

 223.1613, 0.3774,  
0.4246

 8.7956, 0.4372,  
0.5628

270.3036, 0.3738,  
0.4188

 4.6081, 0.4247,  
0.5753

323.6572, 0.3705,

 2.0192, 0.4042,

0.4137

0.5958

383.6066, 0.3676,  
0.4091

0.6186, 0.2750,  
0.7250

0.0000, 0.0000,  
0.0000

67.1662, 0.4025,  
0.4684

67.1662, 0.4025,  
0.4684

66.4466, 0.4122,  
0.4826

68.0068, 0.3905,  
0.4504

65.8275, 0.4193,  
0.4925

68.9686, 0.3767,  
0.4293

65.2988, 0.4238,  
0.4981

70.0633, 0.3618,  
0.4062

64.9262, 0.4258,  
0.5001

71.2988, 0.3463,  
0.3820

■ 72.6822, 0.3308,  
0.3577

■ 74.2204, 0.3157,  
0.3338

■ 75.9195, 0.3014,  
0.3110

■ 77.1786, 0.2934,  
0.2985

■ 77.6185, 0.2934,  
0.2994

# Harmonies

## Analogous

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



67.1662, 0.4574, 0.4219



67.1662, 0.4025, 0.4684



67.1662, 0.3277, 0.4762

# Triad

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



67.1662, 0.4025, 0.4684



67.1662, 0.1749, 0.2616



67.1662, 0.3628, 0.2551

# Complementary

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



67.1662, 0.4025, 0.4684



14.6270, 0.1936, 0.1358

# 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.



67.1662, 0.2803, 0.2203



67.1662, 0.4025, 0.4684



67.1662, 0.1815, 0.2191

# Square

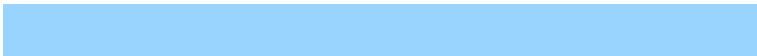
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.1662, 0.4025, 0.4684



67.1662, 0.1985, 0.3365



67.1662, 0.2169, 0.2070



67.1662, 0.4379, 0.3054



# Rectangle

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



67.1662, 0.4025, 0.4684



67.1662, 0.2765, 0.4477



67.1662, 0.2169, 0.2070



67.1662, 0.3345, 0.2414

# Sweetspot

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



67.1693, 0.4025, 0.4684



96.1511, 0.3417, 0.3749



23.1169, 0.5009, 0.3223



20.4703, 0.3462, 0.3819



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.



67.1693, 0.4025, 0.4684



88.9036, 0.4142, 0.4855



61.6038, 0.3506, 0.5012



15.9401, 0.3268, 0.3513



37.8212, 0.4257, 0.5002



2.6485, 0.4247, 0.5010



# Inverse Universe

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



14.6270, 0.1936, 0.1358



13.1693, 0.1722, 0.0999



18.1315, 0.2413, 0.1517



13.3222, 0.2981, 0.3056



3.2706, 0.1507, 0.0624

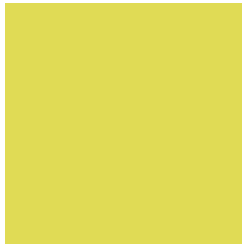


0.2551, 0.1526, 0.0693



# Previews

## White Background



This preview shows how the Yxy color 67.1662, 0.4025, 0.4684 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

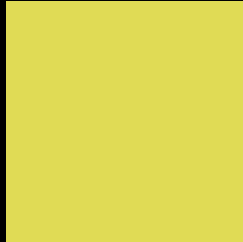
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.1662, 0.4025, 0.4684 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

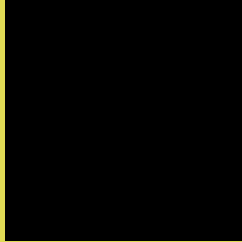
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.1662, 0.4025, 0.4684**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.1662, 0.4025, 0.4684.



This preview shows how white text looks on a background with the Yxy color 67.1662, 0.4025, 0.4684.

# 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

67.1662, 0.4025, 0.4684

### Protanopia

66.9104, 0.4174, 0.4586

### Deuteranopia

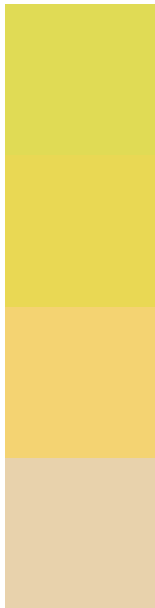
67.0413, 0.4078, 0.4056



## Tritanopia

66.8876, 0.3257, 0.3121

# Trichromacy



## Original Color

67.1662, 0.4025, 0.4684

## Protanomaly

67.0755, 0.4121, 0.4625

## Deuteranomaly

67.0365, 0.4075, 0.4292

## Tritanomaly

66.2275, 0.3574, 0.3711

# Monochromacy



## Original Color

67.1662, 0.4025, 0.4684

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

62.6634, 0.3493, 0.3865

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  67.1662, 0.4025, 0.4684 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(224, 219, 85)` looks like.

```
.text, #text, p{  
    color:rgb(224, 219, 85)  
}
```

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(224, 219, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 219, 85) }
```

## Border

The CSS property to change the border of an element to Yxy 67.1662, 0.4025, 0.4684 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(224, 219, 85) }
```

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

```
.border{ border-color:rgb(224, 219, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 219, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 219, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 219, 85);  
box-shadow:4px 4px 4px 4px rgb(224, 219,  
85) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.1662, 0.4025, 0.4684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 219, 85) }
```

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

```
.background{ background-color: rgb(224,  
219, 85) }
```

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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