

Converting Colors

$Yxy(69.0642, 0.4162, 0.4842)$

Have a look what the booklet for
Yxy(69.0642, 0.4162, 0.4842)
contains.

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Color

Yxy(68.8414, 0.4165, 0.4839)

Conversions

Conversions Part 1

Format	Color
Hex	E6DD3A
RGB	230, 221, 58
RGB Percent	90%, 87%, 23%
CMY	0.0981, 0.1333, 0.7725
CMYK	0.00, 0.04, 0.75, 0.10
HSL	57°, 77%, 56%
HSV	57°, 75%, 90%
XYZ	59.2528, 68.8414, 14.1695
YIQ	205.1090, 57.6870, -48.7850

Conversions

Conversions Part 2

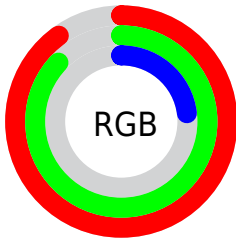
Format	Color
R _Y B	67, 230, 58
Decimal	15129914
CIE Lab	86.43, -14.36, 75.24
CIE LCh	86, 76.602, 100.804
Yxy	68.8414, 0.4165, 0.4839
Android (android.graphics.Color)	4293319994 (0xFFE6DD3A)
YUV	205.1090, -72.5247, 21.8294
Hunter-Lab	82.9707, -17.7245, 47.9542

Details

The Yxy color **68.8414, 0.4165, 0.4839** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **10.6284, 0.1724, 0.1016**, and the grayscale version is **61.5693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0644, 0.3912, 0.4588**, and **35.9304, 0.4245, 0.5012** is the 20% darker color. If you saturate the color by 10%, you get **68.0278, 0.4233, 0.4924**, and if you desaturate by 10%, it is **69.7705, 0.4070, 0.4710**.

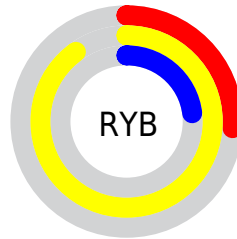
Distribution



Red (90%)

Green (87%)

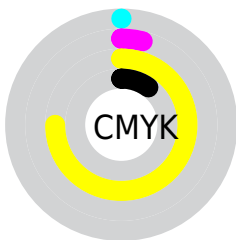
Blue (23%)



Red (26%)

Yellow (90%)

Blue (23%)

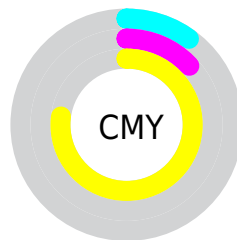


Cyan (0%)

Magenta (4%)

Yellow (75%)

Black (10%)



Cyan (10%)

Magenta (13%)

Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8414, 0.4165, 0.4839 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 68.8414, 0.4165, 0.4839 by changing the saturation by 10% instead.

 68.8414, 0.4165,
0.4839

 68.8414, 0.4165,
0.4839


456.4714, 0.3750,
0.4158


 50.5826, 0.4233,
0.4972


 117.5550, 0.4041,
0.4619

 35.8765, 0.4300,
0.5120


 148.7786, 0.3987,
0.4528


 24.3388, 0.4358,
0.5281

 185.0925, 0.3937,
0.4447

 15.5852, 0.4411,
0.5471

 226.8812, 0.3892,
0.4376

 9.2311, 0.4384,
0.5616

 274.5290, 0.3852,
0.4312

 4.8922, 0.4265,
0.5735


328.4204, 0.3814,


 2.1842, 0.4071,


0.4255


0.5929


388.9397, 0.3781,
0.4204


 0.7113, 0.3140,
0.6860


 0.0000, 0.0000,
0.0000


 68.8414, 0.4165,
0.4839


 68.8414, 0.4165,
0.4839


 68.0278, 0.4233,
0.4924


 69.7705, 0.4070,
0.4710


 67.3049, 0.4274,
0.4966


 70.8176, 0.3951,
0.4540


 66.9519, 0.4289,
0.4977


 71.9968, 0.3814,
0.4339


 73.3175, 0.3664,
0.4115

 74.7881, 0.3508,
0.3878

 76.4166, 0.3351,
0.3637

 78.2103, 0.3198,
0.3400

 80.1760, 0.3052,
0.3172

 81.6580, 0.2973,
0.3055

Harmonies

Analogous

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



68.8414, 0.4784, 0.4261



68.8414, 0.4165, 0.4839



68.8414, 0.3325, 0.5019

Triad

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



68.8414, 0.4165, 0.4839



68.8414, 0.1587, 0.2548



68.8414, 0.3635, 0.2426

Complementary

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



68.8414, 0.4165, 0.4839



10.6284, 0.1724, 0.1016

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.



68.8414, 0.2697, 0.2056



68.8414, 0.4165, 0.4839



68.8414, 0.1644, 0.2063

Square

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



68.8414, 0.4165, 0.4839



68.8414, 0.1859, 0.3426



68.8414, 0.2010, 0.1922



68.8414, 0.4525, 0.2969

Rectangle

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



68.8414, 0.4165, 0.4839



68.8414, 0.2747, 0.4730



68.8414, 0.2010, 0.1922



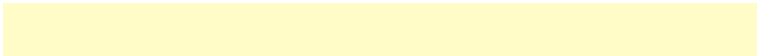
68.8414, 0.3307, 0.2279

Sweetspot

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



68.8446, 0.4165, 0.4839



95.0422, 0.3466, 0.3814



20.2861, 0.5567, 0.3205



20.2272, 0.3509, 0.3880



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.



68.8446, 0.4165, 0.4839



85.4360, 0.4260, 0.4954



63.9126, 0.3536, 0.5296



16.6813, 0.3269, 0.3510



37.9634, 0.4287, 0.4978



2.8452, 0.4272, 0.4990

Inverse Universe

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



10.6284, 0.1724, 0.1016



8.7873, 0.1553, 0.0713



13.6904, 0.2204, 0.1188



14.0074, 0.2980, 0.3060



3.4370, 0.1510, 0.0634



0.2969, 0.1536, 0.0728

Previews

White Background



This preview shows how the Yxy color 68.8414, 0.4165, 0.4839 looks on a white background.

Color Contrast Check

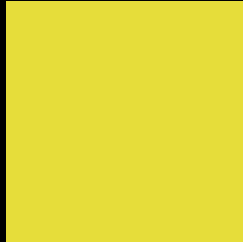
Large Text (above 18pt) WCAG AA × Fail

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 68.8414, 0.4165, 0.4839 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 68.8414, 0.4165, 0.4839

Background



This preview shows how black text looks on a background with the Yxy color 68.8414, 0.4165, 0.4839.



This preview shows how white text looks on a background with the Yxy color 68.8414, 0.4165, 0.4839.

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

68.8414, 0.4165, 0.4839

Protanopia

68.9758, 0.4300, 0.4745

Deuteranopia

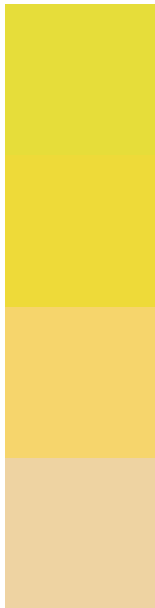
68.6671, 0.4020, 0.4027



Tritanopia

68.4712, 0.3295, 0.3124

Trichromacy



Original Color

68.8414, 0.4165, 0.4839

Protanomaly

68.6154, 0.4253, 0.4779

Deuteranomaly

68.2640, 0.4116, 0.4355

Tritanomaly

67.3743, 0.3693, 0.3824

Monochromacy



Original Color

68.8414, 0.4165, 0.4839

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

63.1517, 0.3571, 0.3978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8414, 0.4165, 0.4839 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(230, 221, 58)` looks like.

```
.text, #text, p{  
    color:rgb(230, 221, 58)  
}
```

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(230, 221, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 221, 58) }
```

Border

The CSS property to change the border of an element to Yxy 68.8414, 0.4165, 0.4839 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(230, 221, 58) }
```

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

```
.border{ border-color:rgb(230, 221, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 221, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 221, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 221, 58);  
box-shadow:4px 4px 4px 4px rgb(230, 221,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8414, 0.4165, 0.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 221, 58) }
```

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

```
.background{ background-color: rgb(230,  
221, 58) }
```

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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