

Converting Colors

$Y_{xy}(70.1288, 0.4014, 0.4637)$

Have a look what the booklet for
Yxy(70.1288, 0.4014, 0.4637)
contains.

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Color

Yxy(70.3711, 0.4015, 0.4635)

Conversions

Conversions Part 1

Format	Color
Hex	E6DF5C
RGB	230, 223, 92
RGB Percent	90%, 87%, 36%
CMY	0.0980, 0.1255, 0.6392
CMYK	0.00, 0.03, 0.60, 0.10
HSL	57°, 73%, 63%
HSV	57°, 60%, 90%
XYZ	60.9579, 70.3711, 20.4964
YIQ	210.1590, 46.2230, -39.2570

Conversions

Conversions Part 2

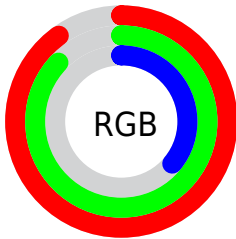
Format	Color
R _Y B	99, 230, 92
Decimal	15130460
CIE Lab	87.18, -13.55, 63.27
CIE LCh	87, 64.706, 102.085
Yxy	70.3711, 0.4015, 0.4635
Android (android.graphics.Color)	4293320540 (0xFFE6DF5C)
YUV	210.1590, -58.2524, 17.4006
Hunter-Lab	83.8875, -17.0938, 44.2348

Details

The Yxy color **70.3711, 0.4015, 0.4635** 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 **16.9195, 0.1980, 0.1446**, and the grayscale version is **64.9302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8866, 0.3761, 0.4338**, and **36.8914, 0.4164, 0.4907** is the 20% darker color. If you saturate the color by 10%, you get **69.4081, 0.4121, 0.4784**, and if you desaturate by 10%, it is **71.4671, 0.3887, 0.4449**.

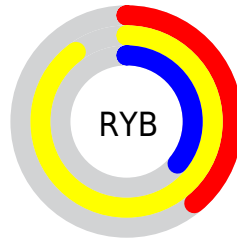
Distribution



Red (90%)

Green (87%)

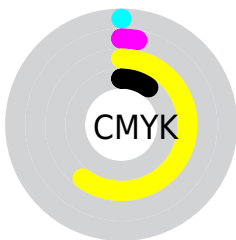
Blue (36%)



Red (39%)

Yellow (90%)

Blue (36%)

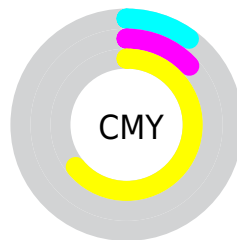


Cyan (0%)

Magenta (3%)

Yellow (60%)

Black (10%)



Cyan (10%)


Magenta (13%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3711, 0.4015, 0.4635 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 70.3711, 0.4015, 0.4635 by changing the saturation by 10% instead.


 70.3711, 0.4015,
0.4635


 70.3711, 0.4015,
0.4635


461.8519, 0.3643,
0.4026


 51.8291, 0.4083,
0.4762


 119.7378, 0.3898,
0.4432


 36.8689, 0.4157,
0.4910


 151.3314, 0.3849,
0.4350

 25.1060, 0.4234,
0.5081


 188.0442, 0.3805,
0.4279

 16.1560, 0.4302,
0.5275

 230.2608, 0.3766,
0.4216

 9.6346, 0.4404,
0.5563

278.3654, 0.3730,
0.4160

 5.1574, 0.4311,
0.5689

332.7426, 0.3698,

 2.3399, 0.4135,

0.4111

393.7766, 0.3669,
0.4066

0.5865

0.7947, 0.3483,
0.6517

0.0000, 0.0000,
0.0000

70.3711, 0.4015,
0.4635

70.3711, 0.4015,
0.4635

69.4081, 0.4121,
0.4784

71.4671, 0.3887,
0.4449

68.5567, 0.4202,
0.4891


72.6963, 0.3743,
0.4235


67.8067, 0.4256,
0.4953

74.0709, 0.3590,
0.4004


67.1345, 0.4286,
0.4979


75.5991, 0.3433,
0.3764

 67.1345, 0.4286,
0.4979

 77.2886, 0.3277,
0.3524

 79.1463, 0.3127,
0.3290

 81.1789, 0.2985,
0.3068

 81.9636, 0.2974,
0.3060

 82.6260, 0.2974,
0.3072

Harmonies

Analogous

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



70.3711, 0.4538, 0.4187



70.3711, 0.4015, 0.4635



70.3711, 0.3292, 0.4712

Triad

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



70.3711, 0.4015, 0.4635



70.3711, 0.1790, 0.2653



70.3711, 0.3597, 0.2565

Complementary

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



70.3711, 0.4015, 0.4635



16.9195, 0.1980, 0.1446

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.



70.3711, 0.2801, 0.2229



70.3711, 0.4015, 0.4635



70.3711, 0.1848, 0.2230

Square

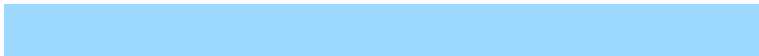
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3711, 0.4015, 0.4635



70.3711, 0.2028, 0.3382



70.3711, 0.2188, 0.2104



70.3711, 0.4325, 0.3053

Rectangle

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



70.3711, 0.4015, 0.4635



70.3711, 0.2794, 0.4443



70.3711, 0.2188, 0.2104



70.3711, 0.3323, 0.2432

Sweetspot

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



70.3744, 0.4015, 0.4635



95.9074, 0.3403, 0.3718



25.4260, 0.4885, 0.3199



20.4004, 0.3449, 0.3789



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.



70.3744, 0.4015, 0.4635



87.4243, 0.4143, 0.4814



65.9484, 0.3518, 0.4951



16.6849, 0.3269, 0.3511



38.0561, 0.4285, 0.4980



2.8510, 0.4270, 0.4992

Inverse Universe

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



16.9195, 0.1980, 0.1446



14.4212, 0.1759, 0.1075



20.0276, 0.2421, 0.1563



14.0041, 0.2980, 0.3059



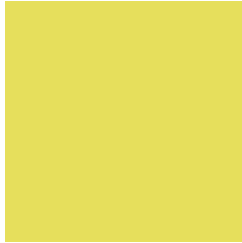
3.4316, 0.1509, 0.0633



0.2953, 0.1535, 0.0724

Previews

White Background



This preview shows how the Yxy color 70.3711, 0.4015, 0.4635 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 70.3711, 0.4015, 0.4635 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 70.3711, 0.4015, 0.4635

Background



This preview shows how black text looks on a background with the Yxy color 70.3711, 0.4015, 0.4635.

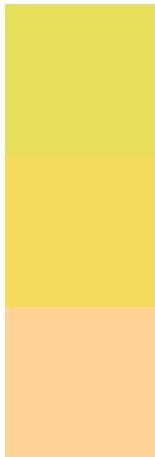


This preview shows how white text looks on a background with the Yxy color 70.3711, 0.4015, 0.4635.

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

70.3711, 0.4015, 0.4635

Protanopia

70.4731, 0.4147, 0.4553

Deuteranopia

70.0185, 0.3925, 0.3928



Tritanopia

70.1466, 0.3263, 0.3114

Trichromacy



Original Color

70.3711, 0.4015, 0.4635

Protanomaly

70.1189, 0.4101, 0.4583

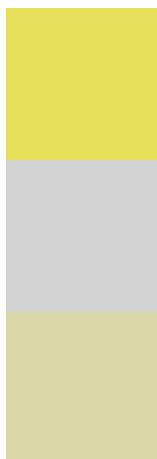
Deuteranomaly

69.7522, 0.3980, 0.4193

Tritanomaly

69.4446, 0.3574, 0.3691

Monochromacy



Original Color

70.3711, 0.4015, 0.4635

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

66.1426, 0.3478, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3711, 0.4015, 0.4635 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, 223, 92)` looks like.

```
.text, #text, p{  
    color:rgb(230, 223, 92)  
}
```

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, 223, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 223, 92) }
```

Border

The CSS property to change the border of an element to Yxy 70.3711, 0.4015, 0.4635 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, 223, 92) }
```

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

```
.border{ border-color:rgb(230, 223, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 223, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 223, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 223, 92);  
box-shadow:4px 4px 4px 4px rgb(230, 223,  
92) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.3711, 0.4015, 0.4635$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 223, 92) }
```

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

```
.background{ background-color: rgb(230,  
223, 92) }
```

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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