

Converting Colors

$Y_{xy}(65.3271, 0.4289, 0.4977)$

Have a look what the booklet for
Yxy(65.3271, 0.4289, 0.4977)
contains.

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Color

Yxy(65.6057, 0.4289, 0.4976)

Conversions

Conversions Part 1

Format	Color
Hex	E4D800
RGB	228, 216, 0
RGB Percent	89%, 85%, 0%
CMY	0.1060, 0.1529, 0.9988
CMYK	0.00, 0.05, 1.00, 0.11
HSL	57°, 100%, 45%
HSV	57°, 100%, 89%
XYZ	56.5480, 65.6057, 9.6906
YIQ	194.9640, 76.4880, -64.6320

Conversions

Conversions Part 2

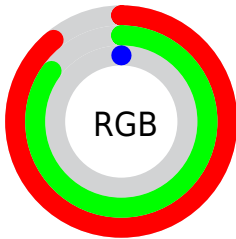
Format	Color
RYB	13, 228, 0
Decimal	14997504
CIELab	84.79, -13.93, 84.49
CIELCh	85, 85.630, 99.363
Yxy	65.6057, 0.4289, 0.4976
Android (android.graphics.Color)	4293187584 (0xFFE4D800)
YUV	194.9640, -96.1173, 28.9726
Hunter-Lab	80.9973, -17.1262, 49.6047

Details

The Yxy color **65.6057, 0.4289, 0.4976** 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 **5.8719, 0.1508, 0.0626**, and the grayscale version is **55.1215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **34.1655, 0.4256, 0.5003** is the 20% darker color. If you saturate the color by 10%, you get **65.6001, 0.4289, 0.4976**, and if you desaturate by 10%, it is **66.2870, 0.4258, 0.4950**.

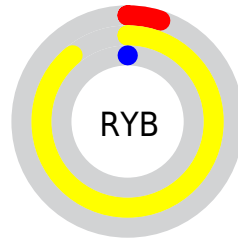
Distribution



Red (89%)

Green (85%)

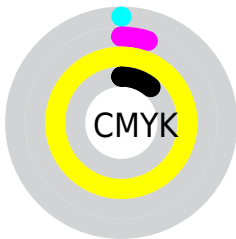
Blue (0%)



Red (5%)

Yellow (89%)

Blue (0%)

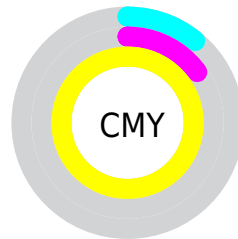


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (15%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6057, 0.4289, 0.4976 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 65.6057, 0.4289, 0.4976 by changing the saturation by 10% instead.


 65.6057, 0.4289,
0.4976

 65.6057, 0.4289,
0.4976


444.9654, 0.3843,
0.4256


 47.9524, 0.4353,
0.5105


 112.9202, 0.4163,
0.4751

 33.7892, 0.4409,
0.5243


 143.3502, 0.4105,
0.4656

 22.7317, 0.4449,
0.5385


 178.8079, 0.4051,
0.4570

 14.3955, 0.4465,
0.5535

 219.6777, 0.4002,
0.4493

 8.3963, 0.4383,
0.5617

 266.3439, 0.3957,
0.4424

 4.3495, 0.4259,
0.5741

 319.1910, 0.3915,

 1.8709, 0.4053,

0.4362

0.5947

378.6034, 0.3877,
0.4306

■ 0.5308, 0.2365,
0.7635

■ 0.0000, 0.0000,
0.0000

■ 65.6057, 0.4289,
0.4976

■ 65.6057, 0.4289,
0.4976

■ 65.6001, 0.4289,
0.4976

■ 66.2870, 0.4258,
0.4950

■ 67.0422, 0.4203,
0.4887

■ 67.8972, 0.4122,
0.4780

■ 68.8652, 0.4014,
0.4630

69.9574, 0.3886,
0.4444

71.1837, 0.3741,
0.4231

72.5527, 0.3588,
0.3999

74.0726, 0.3431,
0.3760

75.7507, 0.3275,
0.3520

Harmonies

Analogous

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



65.6057, 0.4983, 0.4286



65.6057, 0.4289, 0.4976



65.6057, 0.3360, 0.5277

Triad

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



65.6057, 0.4289, 0.4976



65.6057, 0.1432, 0.2475



65.6057, 0.3639, 0.2304

Complementary

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



65.6057, 0.4289, 0.4976



5.8719, 0.1508, 0.0626

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.



65.6057, 0.2592, 0.1915



65.6057, 0.4289, 0.4976



65.6057, 0.1484, 0.1937

Square

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



65.6057, 0.4289, 0.4976



65.6057, 0.1732, 0.3485



65.6057, 0.1860, 0.1780



65.6057, 0.4672, 0.2884

Rectangle

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



65.6057, 0.4289, 0.4976



65.6057, 0.2719, 0.4996



65.6057, 0.1860, 0.1780



65.6057, 0.3268, 0.2149

Sweetspot

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



65.6088, 0.4289, 0.4976



93.4748, 0.3593, 0.4007



16.5335, 0.6342, 0.3268



19.8428, 0.3659, 0.4106



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.



65.6088, 0.4289, 0.4976



84.5215, 0.4290, 0.4976



60.1700, 0.3453, 0.5640



16.6804, 0.3269, 0.3510



37.9427, 0.4288, 0.4978



2.8438, 0.4273, 0.4989

Inverse Universe

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



5.8719, 0.1508, 0.0626



7.5184, 0.1506, 0.0622



8.2574, 0.1889, 0.0815



14.0081, 0.2980, 0.3060



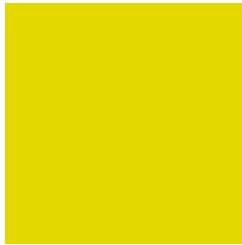
3.4382, 0.1510, 0.0634



0.2972, 0.1536, 0.0728

Previews

White Background



This preview shows how the Yxy color 65.6057, 0.4289, 0.4976 looks on a white background.

Color Contrast Check

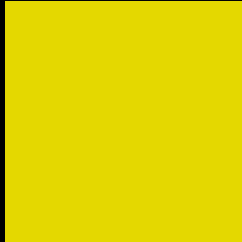
Large Text (above 18pt) WCAG AA × Fail

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 65.6057, 0.4289, 0.4976 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 65.6057, 0.4289, 0.4976

Background



This preview shows how black text looks on a background with the Yxy color 65.6057, 0.4289, 0.4976.



This preview shows how white text looks on a background with the Yxy color 65.6057, 0.4289, 0.4976.

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

65.6057, 0.4289, 0.4976

Protanopia

65.4377, 0.4410, 0.4880

Deuteranopia

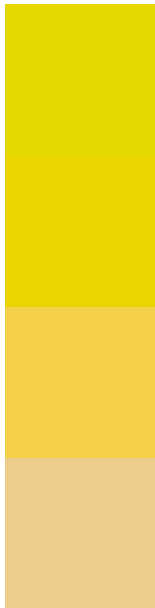
65.1868, 0.4211, 0.4182



Tritanopia

65.4319, 0.3329, 0.3132

Trichromacy



Original Color

65.6057, 0.4289, 0.4976

Protanomaly

65.2507, 0.4370, 0.4912

Deuteranomaly

65.0053, 0.4324, 0.4577

Tritanomaly

63.8105, 0.3872, 0.4034

Monochromacy



Original Color

65.6057, 0.4289, 0.4976

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

57.4325, 0.3740, 0.4234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6057, 0.4289, 0.4976 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(228, 216, 0)` looks like.

```
.text, #text, p{  
    color:rgb(228, 216, 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(228, 216, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 216, 0) }
```

Border

The CSS property to change the border of an element to Yxy 65.6057, 0.4289, 0.4976 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(228, 216, 0) }
```

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

```
.border{ border-color:rgb(228, 216, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 216, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 216, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 216, 0);  
box-shadow:4px 4px 4px 4px rgb(228, 216,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6057, 0.4289, 0.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 216, 0) }
```

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

```
.background{ background-color: rgb(228,  
216, 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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