

Converting Colors

Yxy(67.4853, 0.4421, 0.5204)

Have a look what the booklet for
Yxy(67.4853, 0.4421, 0.5204)
contains.

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Color

Yxy(68.1753, 0.4280, 0.4984)

Conversions

Conversions Part 1

Format	Color
Hex	E7DC00
RGB	231, 220, 0
RGB Percent	91%, 86%, 0%
CMY	0.0942, 0.1372, 1.0000
CMYK	0.00, 0.05, 1.00, 0.09
HSL	57°, 100%, 45%
HSV	57°, 100%, 91%
XYZ	58.5454, 68.1753, 10.0676
YIQ	198.2090, 77.1760, -66.0880

Conversions

Conversions Part 2

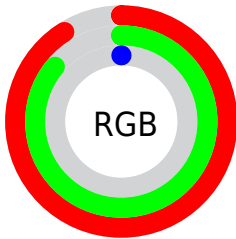
Format	Color
R _Y B	12, 231, 0
Decimal	15195136
CIE Lab	86.09, -14.64, 85.59
CIE LCh	86, 86.829, 99.705
Yxy	68.1753, 0.4280, 0.4984
Android (android.graphics.Color)	4293385216 (0xFFE7DC00)
YUV	198.2090, -97.7170, 28.7577
Hunter-Lab	82.5683, -17.9285, 50.5686

Details

The Yxy color **68.1753, 0.4280, 0.4984** 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 **6.0080, 0.1506, 0.0622**, and the grayscale version is **57.1788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5013, 0.4028, 0.4779**, and **35.5682, 0.4255, 0.5003** is the 20% darker color. If you saturate the color by 10%, you get **68.1789, 0.4280, 0.4984**, and if you desaturate by 10%, it is **68.8196, 0.4250, 0.4958**.

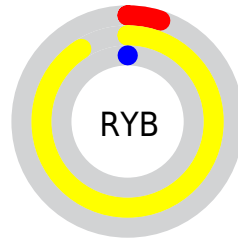
Distribution



Red (91%)

Green (86%)

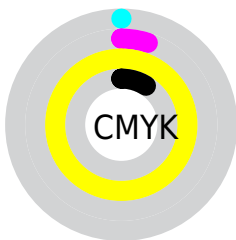
Blue (0%)



Red (5%)

Yellow (91%)

Blue (0%)

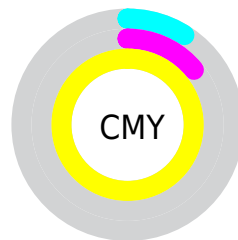


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (14%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1753, 0.4280, 0.4984 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 68.1753, 0.4280, 0.4984 by changing the saturation by 10% instead.

68.1753, 0.4280,
0.4984

68.1753, 0.4280,
0.4984

454.1169, 0.3842,
0.4264

50.0404, 0.4342,
0.5113

116.6029, 0.4157,
0.4760

35.4455, 0.4396,
0.5250

147.6643, 0.4100,
0.4664

24.0062, 0.4434,
0.5391

183.8034, 0.4048,
0.4579

15.3382, 0.4453,
0.5547

225.4045, 0.3999,
0.4502

9.0571, 0.4371,
0.5629

272.8520, 0.3955,
0.4434

4.7785, 0.4248,
0.5752


326.5303, 0.3914,

2.1179, 0.4046,


0.4371


0.5954


386.8238, 0.3876,
0.4315


 0.6746, 0.2962,
0.7038


 0.0000, 0.0000,
0.0000

 68.1753, 0.4280,
0.4984


 68.1753, 0.4280,
0.4984

 68.1789, 0.4280,
0.4984

 68.8196, 0.4250,
0.4958

 69.5383, 0.4198,
0.4895

 70.3588, 0.4118,
0.4788

 71.2949, 0.4012,
0.4639

■ 72.3581, 0.3885,
0.4453

■ 73.5586, 0.3742,
0.4239

■ 74.9053, 0.3589,
0.4006

■ 76.4067, 0.3432,
0.3765

■ 78.0704, 0.3277,
0.3524

Harmonies

Analogous

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



68.1753, 0.4979, 0.4295



68.1753, 0.4280, 0.4984



68.1753, 0.3349, 0.5278

Triad

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



68.1753, 0.4280, 0.4984



68.1753, 0.1430, 0.2465



68.1753, 0.3653, 0.2309

Complementary

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



68.1753, 0.4280, 0.4984



6.0080, 0.1506, 0.0622

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.



68.1753, 0.2602, 0.1917



68.1753, 0.4280, 0.4984



68.1753, 0.1485, 0.1932

Square

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



68.1753, 0.4280, 0.4984



68.1753, 0.1725, 0.3472



68.1753, 0.1865, 0.1778



68.1753, 0.4683, 0.2891

Rectangle

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



68.1753, 0.4280, 0.4984



68.1753, 0.2708, 0.4989



68.1753, 0.1865, 0.1778



68.1753, 0.3281, 0.2153

Sweetspot

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



68.1789, 0.4280, 0.4984



93.7159, 0.3592, 0.4010



17.0129, 0.6361, 0.3278



19.9015, 0.3657, 0.4110



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.



68.1789, 0.4280, 0.4984



85.2875, 0.4280, 0.4983



61.6624, 0.3427, 0.5661



16.6935, 0.3269, 0.3511



38.2789, 0.4278, 0.4985



2.8651, 0.4265, 0.4996

Inverse Universe

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



6.0080, 0.1506, 0.0622



7.4859, 0.1506, 0.0620



8.7089, 0.1916, 0.0829



13.9964, 0.2980, 0.3059



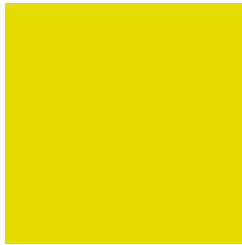
3.4187, 0.1509, 0.0631



0.2917, 0.1532, 0.0716

Previews

White Background



This preview shows how the Yxy color 68.1753, 0.4280, 0.4984 looks on a white background.

Color Contrast Check

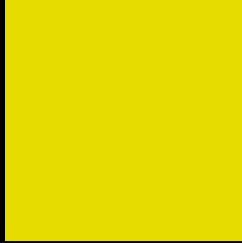
Large Text (above 18pt) WCAG AA × Fail

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 68.1753, 0.4280, 0.4984 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 68.1753, 0.4280, 0.4984

Background



This preview shows how black text looks on a background with the Yxy color 68.1753, 0.4280, 0.4984.



This preview shows how white text looks on a background with the Yxy color 68.1753, 0.4280, 0.4984.

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

68.1753, 0.4280, 0.4984

Protanopia

68.1664, 0.4407, 0.4883

Deuteranopia

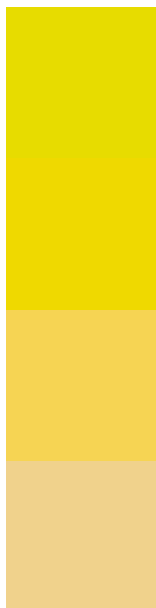
68.0104, 0.4067, 0.4074



Tritanopia

67.7655, 0.3327, 0.3124

Trichromacy



Original Color

68.1753, 0.4280, 0.4984

Protanomaly

67.9764, 0.4367, 0.4914

Deuteranomaly

67.3043, 0.4257, 0.4540

Tritanomaly

66.5119, 0.3873, 0.4043

Monochromacy



Original Color

68.1753, 0.4280, 0.4984

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

59.3506, 0.3739, 0.4233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1753, 0.4280, 0.4984 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(231, 220, 0)` looks like.

```
.text, #text, p{  
    color:rgb(231, 220, 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(231, 220, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 220, 0) }
```

Border

The CSS property to change the border of an element to Yxy 68.1753, 0.4280, 0.4984 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(231, 220, 0) }
```

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

```
.border{ border-color:rgb(231, 220, 0) }
```

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

Here you see how a box with a 4 pixel rgb(231, 220, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 220, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 220, 0);  
box-shadow:4px 4px 4px 4px rgb(231, 220,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1753, 0.4280, 0.4984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 220, 0) }
```

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

```
.background{ background-color: rgb(231,  
220, 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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