

Converting Colors

Yxy(76.5465, 0.4196, 0.5050)

Have a look what the booklet for
Yxy(76.5465, 0.4196, 0.5050)
contains.

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Color

Yxy(76.5078, 0.4201, 0.5047)

Conversions

Conversions Part 1

Format	Color
Hex	EBEA00
RGB	235, 234, 0
RGB Percent	92%, 92%, 0%
CMY	0.0784, 0.0823, 1.0000
CMYK	0.00, 0.00, 1.00, 0.08
HSL	60°, 100%, 46%
HSV	60°, 100%, 92%
XYZ	63.6832, 76.5078, 11.3996
YIQ	207.6230, 75.7100, -72.5620

Conversions

Conversions Part 2

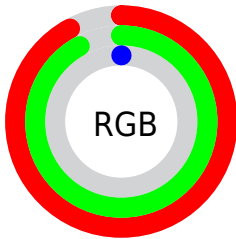
Format	Color
R _Y B	1, 235, 0
Decimal	15460864
CIE Lab	90.09, -19.78, 88.66
CIE LCh	90, 90.839, 102.579
Yxy	76.5078, 0.4201, 0.5047
Android (android.graphics.Color)	4293650944 (0xFFEBEA00)
YUV	207.6230, -102.3581, 24.0096
Hunter-Lab	87.4687, -23.1101, 53.5010

Details

The Yxy color **76.5078, 0.4201, 0.5047** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **6.0200, 0.1501, 0.0602**, and the grayscale version is **63.4617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **41.2389, 0.4145, 0.5091** is the 20% darker color. If you saturate the color by 10%, you get **76.5122, 0.4201, 0.5047**, and if you desaturate by 10%, it is **76.6329, 0.4181, 0.5016**.

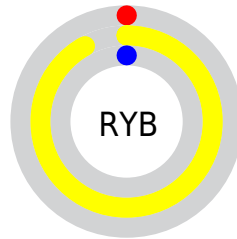
Distribution



Red (92%)

Green (92%)

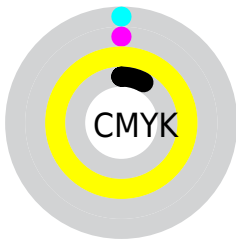
Blue (0%)



Red (0%)

Yellow (92%)

Blue (0%)

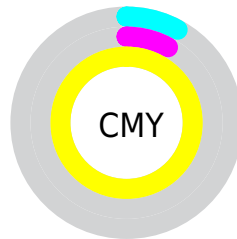


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (8%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5078, 0.4201, 0.5047 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 76.5078, 0.4201, 0.5047 by changing the saturation by 10% instead.


 76.5078, 0.4201,
0.5047


 76.5078, 0.4201,
0.5047


483.0842, 0.3812,
0.4306


 56.8490, 0.4252,
0.5181


 128.4445, 0.4095,
0.4816

 40.8840, 0.4295,
0.5326


 161.4911, 0.4045,
0.4718

 28.2285, 0.4320,
0.5477


 199.7691, 0.3999,
0.4630

 18.4980, 0.4337,
0.5663

 243.6630, 0.3955,
0.4551

 11.3081, 0.4239,
0.5761

 293.5570, 0.3915,
0.4480

 6.2745, 0.4096,
0.5904


 349.8356, 0.3878,


 3.0127, 0.3873,

0.4416


0.6127


412.8832, 0.3843,
0.4358


 1.1384, 0.3372,
0.6628


 0.0105, 0.0000,
1.0000


 76.5078, 0.4201,
0.5047


 76.5078, 0.4201,
0.5047

 76.5122, 0.4201,
0.5047

 76.6329, 0.4181,
0.5016

 76.8311, 0.4140,
0.4950

 77.1313, 0.4072,
0.4840

 77.5478, 0.3978,
0.4687

■ 78.0928, 0.3862,
0.4496

■ 78.7768, 0.3727,
0.4276

■ 79.6092, 0.3581,
0.4036

■ 80.5986, 0.3429,
0.3786

■ 81.7532, 0.3276,
0.3535

Harmonies

Analogous

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



76.5078, 0.4938, 0.4369



76.5078, 0.4201, 0.5047



76.5078, 0.3254, 0.5279

Triad

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



76.5078, 0.4201, 0.5047



76.5078, 0.1412, 0.2388



76.5078, 0.3764, 0.2353

Complementary

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



76.5078, 0.4201, 0.5047



6.0200, 0.1501, 0.0602

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.



76.5078, 0.2689, 0.1938



76.5078, 0.4201, 0.5047



76.5078, 0.1499, 0.1895

Square

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



76.5078, 0.4201, 0.5047



76.5078, 0.1671, 0.3356



76.5078, 0.1913, 0.1772



76.5078, 0.4771, 0.2950

Rectangle

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



76.5078, 0.4201, 0.5047



76.5078, 0.2615, 0.4924



76.5078, 0.1913, 0.1772



76.5078, 0.3388, 0.2190

Sweetspot

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



76.5122, 0.4201, 0.5047



95.8075, 0.3583, 0.4039



17.6714, 0.6388, 0.3293



20.4113, 0.3646, 0.4143



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.



76.5122, 0.4201, 0.5047



92.0913, 0.4201, 0.5047



63.5143, 0.3379, 0.5699



17.6154, 0.3268, 0.3522



42.5861, 0.4201, 0.5047



3.3476, 0.4199, 0.5048

Inverse Universe

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



6.0200, 0.1501, 0.0602



7.2435, 0.1501, 0.0602



9.5481, 0.1976, 0.0862



14.5592, 0.2980, 0.3047



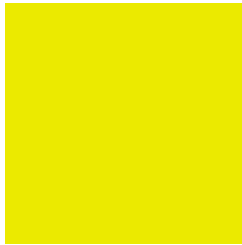
3.3549, 0.1501, 0.0603



0.2671, 0.1503, 0.0610

Previews

White Background



This preview shows how the Yxy color 76.5078, 0.4201, 0.5047 looks on a white background.

Color Contrast Check

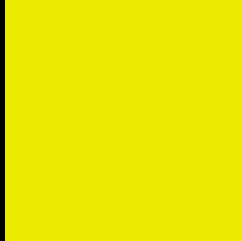
Large Text (above 18pt) WCAG AA × Fail

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 76.5078, 0.4201, 0.5047 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 76.5078, 0.4201, 0.5047

Background



This preview shows how black text looks on a background with the Yxy color 76.5078, 0.4201, 0.5047.



This preview shows how white text looks on a background with the Yxy color 76.5078, 0.4201, 0.5047.

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

76.5078, 0.4201, 0.5047

Protanopia

76.3381, 0.4362, 0.4822

Deuteranopia

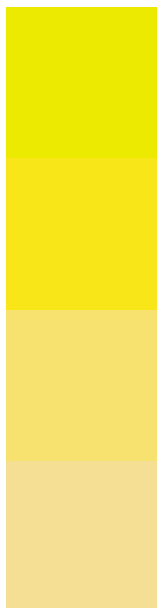
76.0289, 0.3708, 0.3772



Tritanopia

75.8902, 0.3251, 0.3119

Trichromacy



Original Color

76.5078, 0.4201, 0.5047

Protanomaly

76.6160, 0.4309, 0.4914

Deuteranomaly

75.4969, 0.4040, 0.4434

Tritanomaly

74.3578, 0.3797, 0.4064

Monochromacy



Original Color

76.5078, 0.4201, 0.5047

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

66.1971, 0.3719, 0.4253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5078, 0.4201, 0.5047 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(235, 234, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 234, 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(235, 234, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 234, 0) }
```

Border

The CSS property to change the border of an element to Yxy 76.5078, 0.4201, 0.5047 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(235, 234, 0) }
```

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

```
.border{ border-color:rgb(235, 234, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 234, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 234, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 234, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 234,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5078, 0.4201, 0.5047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 234, 0) }
```

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

```
.background{ background-color: rgb(235,  
234, 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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