

Converting Colors

Yxy(68.2248, 0.4480, 0.4825)

Have a look what the booklet for
Yxy(68.2248, 0.4480, 0.4825)
contains.

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Color

Yxy(68.4171, 0.4478, 0.4827)

Conversions

Conversions Part 1

Format	Color
Hex	FAD600
RGB	250, 214, 0
RGB Percent	98%, 84%, 0%
CMY	0.0196, 0.1608, 1.0000
CMYK	0.00, 0.14, 1.00, 0.02
HSL	51°, 100%, 49%
HSV	51°, 100%, 98%
XYZ	63.4704, 68.4171, 9.8508
YIQ	200.3680, 90.1500, -58.9220

Conversions

Conversions Part 2

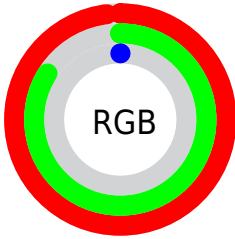
Format	Color
R _Y B	42, 250, 0
Decimal	16438784
CIE Lab	86.21, -3.55, 86.45
CIE LCh	86, 86.520, 92.350
Yxy	68.4171, 0.4478, 0.4827
Android (android.graphics.Color)	4294628864 (0xFFFA600)
YUV	200.3680, -98.7814, 43.5273
Hunter-Lab	82.7146, -7.7800, 50.8392

Details

The Yxy color **68.4171, 0.4478, 0.4827** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **8.1638, 0.1527, 0.0697**, and the grayscale version is **58.5807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **35.8330, 0.4483, 0.4823** is the 20% darker color. If you saturate the color by 10%, you get **68.4211, 0.4478, 0.4827**, and if you desaturate by 10%, it is **70.3336, 0.4423, 0.4817**.

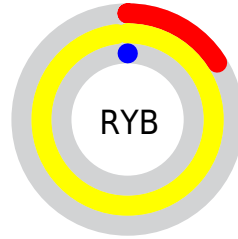
Distribution



Red (98%)

Green (84%)

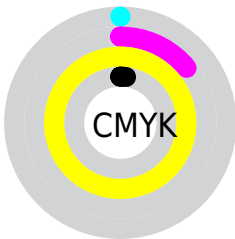
Blue (0%)



Red (16%)

Yellow (98%)

Blue (0%)

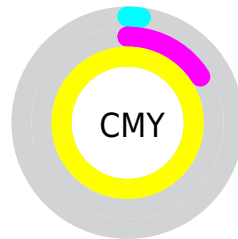


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4171, 0.4478, 0.4827 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 68.4171, 0.4478, 0.4827 by changing the saturation by 10% instead.


 68.4171, 0.4478,
0.4827


 68.4171, 0.4478,
0.4827


454.9724, 0.3946,
0.4205


 50.2371, 0.4561,
0.4929


 116.9486, 0.4323,
0.4641


 35.6019, 0.4642,
0.5033


 148.0690, 0.4253,
0.4559

 24.1269, 0.4713,
0.5132


 184.2716, 0.4189,
0.4485

 15.4278, 0.4773,
0.5227

 225.9409, 0.4131,
0.4418

 9.1201, 0.4754,
0.5246

 273.4612, 0.4078,
0.4357

 4.8196, 0.4726,
0.5274

 327.2170, 0.4030,

 2.1418, 0.4679,

0.4302

0.5321

387.5926, 0.3986,
0.4251

■ 0.6880, 0.4519,
0.5481

■ 0.0000, 0.0000,
0.0000

■ 68.4171, 0.4478,
0.4827

■ 68.4171, 0.4478,
0.4827

■ 68.4211, 0.4478,
0.4827

■ 70.3336, 0.4423,
0.4817

■ 72.3766, 0.4342,
0.4768

■ 74.5779, 0.4233,
0.4672

■ 76.9547, 0.4098,
0.4533

■ 79.5212, 0.3945,
0.4358

■ 82.2900, 0.3780,
0.4158

■ 85.2723, 0.3611,
0.3943

■ 88.4785, 0.3443,
0.3722

■ 91.9181, 0.3280,
0.3502

Harmonies

Analogous

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



68.4171, 0.5079, 0.4113



68.4171, 0.4478, 0.4827



68.4171, 0.3586, 0.5265

Triad

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



68.4171, 0.4478, 0.4827



68.4171, 0.1473, 0.2671



68.4171, 0.3377, 0.2196

Complementary

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



68.4171, 0.4478, 0.4827



8.1638, 0.1527, 0.0697

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.



68.4171, 0.2390, 0.1864



68.4171, 0.4478, 0.4827



68.4171, 0.1447, 0.2028

Square

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



68.4171, 0.4478, 0.4827



68.4171, 0.1863, 0.3774



68.4171, 0.1745, 0.1792



68.4171, 0.4456, 0.2739

Rectangle

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



68.4171, 0.4478, 0.4827



68.4171, 0.2942, 0.5138



68.4171, 0.1745, 0.1792



68.4171, 0.3018, 0.2059

Sweetspot

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



68.4211, 0.4478, 0.4827



89.1870, 0.3611, 0.3944



20.4613, 0.6226, 0.3203



18.8019, 0.3683, 0.4036



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.



68.4211, 0.4478, 0.4827



71.5504, 0.4478, 0.4826



76.1071, 0.3580, 0.5539



19.7396, 0.3272, 0.3491



36.4560, 0.4472, 0.4831



3.4892, 0.4434, 0.4862

Inverse Universe

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



8.1638, 0.1527, 0.0697



8.5255, 0.1527, 0.0696



8.9528, 0.1751, 0.0738



17.0461, 0.2979, 0.3080



4.4528, 0.1532, 0.0714



0.5304, 0.1580, 0.0888

Previews

White Background



This preview shows how the Yxy color 68.4171, 0.4478, 0.4827 looks on a white background.

Color Contrast Check

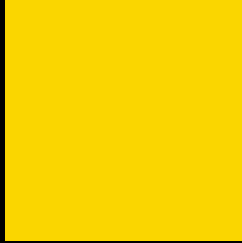
Large Text (above 18pt) WCAG AA × Fail

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 68.4171, 0.4478, 0.4827 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 68.4171, 0.4478, 0.4827

Background



This preview shows how black text looks on a background with the Yxy color 68.4171, 0.4478, 0.4827.



This preview shows how white text looks on a background with the Yxy color 68.4171, 0.4478, 0.4827.

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

68.4171, 0.4478, 0.4827

Protanopia

68.3602, 0.4409, 0.4869

Deuteranopia

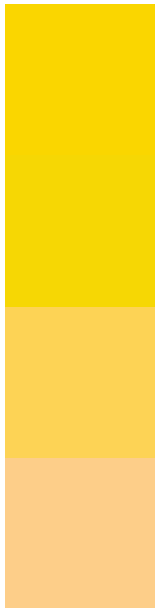
68.5544, 0.4048, 0.4065



Tritanopia

68.4074, 0.3445, 0.3158

Trichromacy



Original Color

68.4171, 0.4478, 0.4827

Protanomaly

68.2025, 0.4435, 0.4853

Deuteranomaly

68.1271, 0.4309, 0.4486

Tritanomaly

66.8314, 0.4019, 0.4003

Monochromacy



Original Color

68.4171, 0.4478, 0.4827

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

60.1004, 0.3804, 0.4189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4171, 0.4478, 0.4827 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(250, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 214, 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(250, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 214, 0) }
```

Border

The CSS property to change the border of an element to Yxy 68.4171, 0.4478, 0.4827 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(250, 214, 0) }
```

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

```
.border{ border-color:rgb(250, 214, 0) }
```

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

Here you see how a box with a 4 pixel rgb(250, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 214,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4171, 0.4478, 0.4827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 214, 0) }
```

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

```
.background{ background-color: rgb(250,  
214, 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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