

Converting Colors

Yxy(68.4936, 0.4454, 0.4845)

Have a look what the booklet for
Yxy(68.4936, 0.4454, 0.4845)
contains.

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Color

Yxy(68.5573, 0.4454, 0.4846)

Conversions

Conversions Part 1

Format	Color
Hex	F8D700
RGB	248, 215, 0
RGB Percent	97%, 84%, 0%
CMY	0.0274, 0.1568, 1.0000
CMYK	0.00, 0.13, 1.00, 0.03
HSL	52°, 100%, 49%
HSV	52°, 100%, 97%
XYZ	63.0116, 68.5573, 9.9030
YIQ	200.3570, 88.6830, -59.8690

Conversions

Conversions Part 2

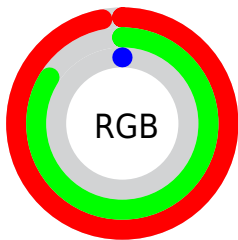
Format	Color
R _Y B	38, 248, 0
Decimal	16307968
CIE Lab	86.28, -4.90, 86.41
CIE LCh	86, 86.549, 93.248
Yxy	68.5573, 0.4454, 0.4846
Android (android.graphics.Color)	4294498048 (0xFFFF8D700)
YUV	200.3570, -98.7760, 41.7829
Hunter-Lab	82.7993, -9.0575, 50.8683

Details

The Yxy color **68.5573, 0.4454, 0.4846** 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 **7.8651, 0.1524, 0.0685**, and the grayscale version is **58.5741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **36.0545, 0.4462, 0.4840** is the 20% darker color. If you saturate the color by 10%, you get **68.5612, 0.4454, 0.4846**, and if you desaturate by 10%, it is **70.3281, 0.4402, 0.4834**.

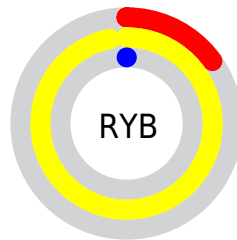
Distribution



Red (97%)

Green (84%)

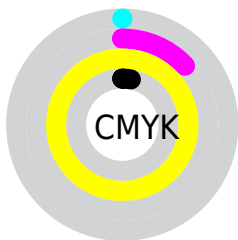
Blue (0%)



Red (15%)

Yellow (97%)

Blue (0%)

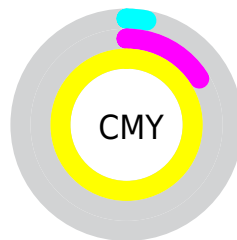


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5573, 0.4454, 0.4846 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 68.5573, 0.4454, 0.4846 by changing the saturation by 10% instead.

 68.5573, 0.4454,
0.4846


 68.5573, 0.4454,
0.4846


455.4680, 0.3933,
0.4213

 50.3513, 0.4534,
0.4951


 117.1490, 0.4303,
0.4656

 35.6926, 0.4612,
0.5059


 148.3035, 0.4235,
0.4572

 24.1969, 0.4679,
0.5163

 184.5430, 0.4172,
0.4497

 15.4797, 0.4735,
0.5265

 226.2517, 0.4115,
0.4428

 9.1568, 0.4708,
0.5292

 273.8142, 0.4064,
0.4367

 4.8436, 0.4669,
0.5331

 327.6149, 0.4016,

 2.1558, 0.4605,

0.4310

0.5395

388.0380, 0.3973,
0.4259

■ 0.6957, 0.4377,
0.5623

■ 0.0000, 0.0000,
0.0000

■ 68.5573, 0.4454,
0.4846

■ 68.5573, 0.4454,
0.4846

■ 68.5612, 0.4454,
0.4846

■ 70.3281, 0.4402,
0.4834

■ 72.2173, 0.4325,
0.4783

■ 74.2563, 0.4219,
0.4686

■ 76.4616, 0.4088,
0.4545

■ 78.8472, 0.3938,
0.4369

■ 81.4255, 0.3776,
0.4168

■ 84.2074, 0.3608,
0.3950

■ 87.2029, 0.3442,
0.3727

■ 90.4214, 0.3280,
0.3505

Harmonies

Analogous

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



68.5573, 0.5067, 0.4135



68.5573, 0.4454, 0.4846



68.5573, 0.3558, 0.5267

Triad

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



68.5573, 0.4454, 0.4846



68.5573, 0.1468, 0.2645



68.5573, 0.3410, 0.2210

Complementary

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



68.5573, 0.4454, 0.4846



7.8651, 0.1524, 0.0685

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.



68.5573, 0.2416, 0.1870



68.5573, 0.4454, 0.4846



68.5573, 0.1452, 0.2016

Square

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



68.5573, 0.4454, 0.4846



68.5573, 0.1846, 0.3737



68.5573, 0.1759, 0.1791



68.5573, 0.4484, 0.2757

Rectangle

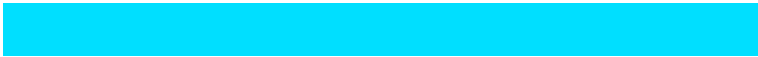
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.5573, 0.4454, 0.4846



68.5573, 0.2913, 0.5122



68.5573, 0.1759, 0.1791



68.5573, 0.3050, 0.2070

Sweetspot

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



68.5612, 0.4454, 0.4846



89.6914, 0.3609, 0.3951



20.0673, 0.6256, 0.3220



18.9241, 0.3680, 0.4044



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.



68.5612, 0.4454, 0.4846



73.0110, 0.4454, 0.4845



74.3119, 0.3553, 0.5561



19.7736, 0.3272, 0.3494



37.1861, 0.4449, 0.4849



3.5499, 0.4414, 0.4877

Inverse Universe

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



7.8651, 0.1524, 0.0685



8.3599, 0.1523, 0.0684



8.9983, 0.1776, 0.0752



17.0152, 0.2979, 0.3078



4.3609, 0.1528, 0.0701



0.5158, 0.1574, 0.0868

Previews

White Background



This preview shows how the Yxy color 68.5573, 0.4454, 0.4846 looks on a white background.

Color Contrast Check

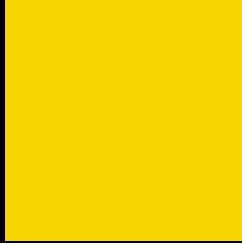
Large Text (above 18pt) WCAG AA × Fail

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 68.5573, 0.4454, 0.4846 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 68.5573, 0.4454, 0.4846

Background



This preview shows how black text looks on a background with the Yxy color 68.5573, 0.4454, 0.4846.



This preview shows how white text looks on a background with the Yxy color 68.5573, 0.4454, 0.4846.

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

68.5573, 0.4454, 0.4846

Protanopia

68.8720, 0.4401, 0.4877

Deuteranopia

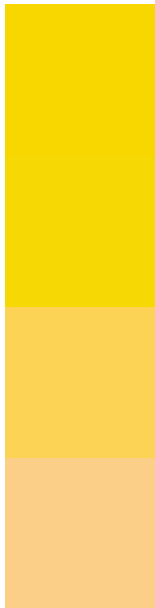
68.5822, 0.4041, 0.4055



Tritanopia

68.4074, 0.3445, 0.3158

Trichromacy



Original Color

68.5573, 0.4454, 0.4846

Protanomaly

68.5330, 0.4419, 0.4866

Deuteranomaly

67.9399, 0.4301, 0.4491

Tritanomaly

67.1272, 0.4006, 0.4015

Monochromacy



Original Color

68.5573, 0.4454, 0.4846

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

59.9467, 0.3795, 0.4192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5573, 0.4454, 0.4846 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(248, 215, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 215, 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(248, 215, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 215, 0) }
```

Border

The CSS property to change the border of an element to Yxy 68.5573, 0.4454, 0.4846 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(248, 215, 0) }
```

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

```
.border{ border-color:rgb(248, 215, 0) }
```

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

Here you see how a box with a 4 pixel rgb(248, 215, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 215, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 215, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 215,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5573, 0.4454, 0.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 215, 0) }
```

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

```
.background{ background-color: rgb(248,  
215, 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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