

Converting Colors

$Y_{xy}(73.5009, 0.4511, 0.4329)$

Have a look what the booklet for
Yxy(73.5009, 0.4511, 0.4329)
contains.

| | |
|---|----|
| Yxy(68.0745, 0.4312, 0.4441) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(68.0745, 0.4312, 0.4441)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFD259 |
| RGB | 255, 210, 89 |
| RGB Percent | 100%, 82%, 35% |
| CMY | 0.0000, 0.1765, 0.6508 |
| CMYK | 0.00, 0.18, 0.65, 0.00 |
| HSL | 44°, 100%, 67% |
| HSV | 44°, 65%, 100% |
| XYZ | 66.0971, 68.0745, 19.1148 |
| YIQ | 209.6610, 65.6610, -28.0910 |

Conversions

Conversions Part 2

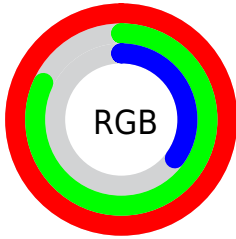
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 151, 255, 89 |
| Decimal | 16765529 |
| CIELab | 86.04, 3.14, 63.95 |
| CIELCh | 86, 64.028, 87.192 |
| Yxy | 68.0745, 0.4312, 0.4441 |
| Android (android.graphics.Color) | 4294955609 (0xFFFFD259) |
| YUV | 209.6610, -59.4859, 39.7623 |
| Hunter-Lab | 82.5073, -1.3902, 44.0191 |

Details

The Yxy color **68.0745, 0.4312, 0.4441** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **26.4073, 0.1978, 0.1702**, and the grayscale version is **64.5809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7936, 0.3777, 0.4365**, and **35.4780, 0.4532, 0.4641** is the 20% darker color. If you saturate the color by 10%, you get **64.3757, 0.4481, 0.4541**, and if you desaturate by 10%, it is **72.0674, 0.4125, 0.4302**.

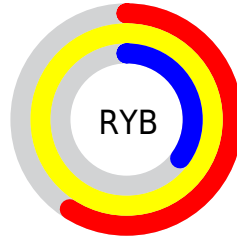
Distribution



Red (100%)

Green (82%)

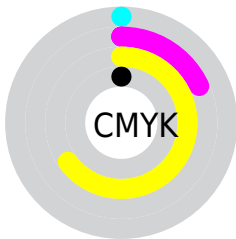
Blue (35%)



Red (59%)

Yellow (100%)

Blue (35%)

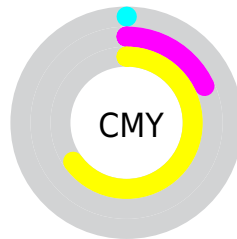


Cyan (0%)

Magenta (18%)

Yellow (65%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0745, 0.4312, 0.4441 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 68.0745, 0.4312, 0.4441 by changing the saturation by 10% instead.


 68.0745, 0.4312,
0.4441

 68.0745, 0.4312,
0.4441


453.7599, 0.3795,
0.3947

 49.9583, 0.4414,
0.4535


 116.4587, 0.4144,
0.4283


 35.3803, 0.4529,
0.4640


 147.4956, 0.4075,
0.4217

 23.9560, 0.4656,
0.4753


 183.6081, 0.4014,
0.4159

 15.3010, 0.4790,
0.4866

 225.1807, 0.3960,
0.4107

 9.0309, 0.4977,
0.5023

272.5978, 0.3912,
0.4061

 4.7613, 0.5002,
0.4998

326.2438, 0.3869,

 2.1079, 0.5041,

0.4019

386.5030, 0.3830,
0.3982

0.4959

0.6691, 0.5157,
0.4843

0.0000, 0.0000,
0.0000

68.0745, 0.4312,
0.4441

68.0745, 0.4312,
0.4441

64.3757, 0.4481,
0.4541

72.0674, 0.4125,
0.4302

60.9557, 0.4625,
0.4594

76.3726, 0.3930,
0.4135

57.7920, 0.4737,
0.4596

81.0033, 0.3735,
0.3951

56.3159, 0.4783,
0.4584

85.9721, 0.3547,
0.3759

■ 91.2910, 0.3369,
0.3567

■ 96.9710, 0.3205,
0.3381

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



68.0745, 0.4667, 0.3910



68.0745, 0.4312, 0.4441



68.0745, 0.3664, 0.4739

Triad

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



68.0745, 0.4312, 0.4441



68.0745, 0.1869, 0.2981



68.0745, 0.3190, 0.2374

Complementary

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



68.0745, 0.4312, 0.4441



26.4073, 0.1978, 0.1702

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.



68.0745, 0.2465, 0.2137



68.0745, 0.4312, 0.4441



68.0745, 0.1782, 0.2399

Square

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



68.0745, 0.4312, 0.4441



68.0745, 0.2260, 0.3810



68.0745, 0.1983, 0.2132



68.0745, 0.3994, 0.2796

Rectangle

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



68.0745, 0.4312, 0.4441



68.0745, 0.3163, 0.4669



68.0745, 0.1983, 0.2132



68.0745, 0.2928, 0.2272

Sweetspot

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



68.0736, 0.4312, 0.4441



88.6313, 0.3455, 0.3661



30.1904, 0.4648, 0.2848



18.6536, 0.3505, 0.3715



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.



68.0736, 0.4312, 0.4441



63.3503, 0.4526, 0.4562



87.3084, 0.3776, 0.4936



20.2086, 0.3276, 0.3462



29.6871, 0.4771, 0.4593



3.0720, 0.4690, 0.4658

Inverse Universe

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



26.4073, 0.1978, 0.1702



19.2230, 0.1786, 0.1359



18.7308, 0.2068, 0.1288



18.1790, 0.2979, 0.3112



6.2161, 0.1591, 0.0929



0.7772, 0.1651, 0.1142

Previews

White Background



This preview shows how the Yxy color 68.0745, 0.4312, 0.4441 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 68.0745, 0.4312, 0.4441 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 68.0745, 0.4312, 0.4441

Background



This preview shows how black text looks on a background with the Yxy color 68.0745, 0.4312, 0.4441.



This preview shows how white text looks on a background with the Yxy color 68.0745, 0.4312, 0.4441.

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

68.0745, 0.4312, 0.4441

Protanopia

68.3923, 0.4143, 0.4542

Deuteranopia

68.1779, 0.4025, 0.4017



Tritanopia

67.8374, 0.3463, 0.3168

Trichromacy



Original Color

68.0745, 0.4312, 0.4441

Protanomaly

68.2438, 0.4200, 0.4511

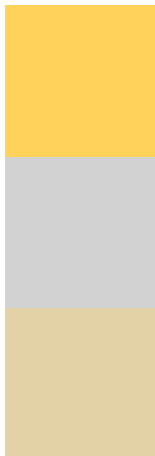
Deuteranomaly

68.2170, 0.4136, 0.4184

Tritanomaly

67.2729, 0.3809, 0.3666

Monochromacy



Original Color

68.0745, 0.4312, 0.4441

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.0151, 0.3570, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0745, 0.4312, 0.4441 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(255, 210, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 89)  
}
```

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(255, 210, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 89) }
```

Border

The CSS property to change the border of an element to Yxy 68.0745, 0.4312, 0.4441 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(255, 210, 89) }
```

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

```
.border{ border-color:rgb(255, 210, 89) }
```

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

Here you see how a box with a 4 pixel rgb(255, 210, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0745, 0.4312, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 89) }
```

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

```
.background{ background-color: rgb(255,  
210, 89) }
```

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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