

Converting Colors

$Y_{xy}(70.7841, 0.4375, 0.4250)$

Have a look what the booklet for
Yxy(70.7841, 0.4375, 0.4250)
contains.

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Color

Yxy(67.3712, 0.4242, 0.4311)

Conversions

Conversions Part 1

Format	Color
Hex	FFD068
RGB	255, 208, 104
RGB Percent	100%, 82%, 41%
CMY	0.0000, 0.1843, 0.5920
CMYK	0.00, 0.18, 0.59, 0.00
HSL	41°, 100%, 70%
HSV	41°, 59%, 100%
XYZ	66.2929, 67.3712, 22.6133
YIQ	210.1970, 61.3960, -22.3800

Conversions

Conversions Part 2

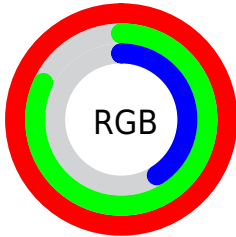
Format	Color
RYB	172, 255, 104
Decimal	16765032
CIELab	85.69, 5.09, 56.89
CIELCh	86, 57.117, 84.883
Yxy	67.3712, 0.4242, 0.4311
Android (android.graphics.Color)	4294955112 (0xFFFFD068)
YUV	210.1970, -52.3551, 39.2922
Hunter-Lab	82.0800, 0.5278, 41.1214

Details

The Yxy color **67.3712, 0.4242, 0.4311** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.3000, 0.2097, 0.1944**, and the grayscale version is **64.9085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **34.9523, 0.4463, 0.4501** is the 20% darker color. If you saturate the color by 10%, you get **63.1586, 0.4438, 0.4428**, and if you desaturate by 10%, it is **71.9406, 0.4036, 0.4161**.

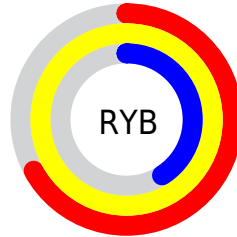
Distribution



Red (100%)

Green (82%)

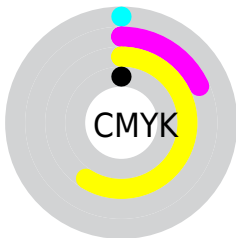
Blue (41%)



Red (67%)

Yellow (100%)

Blue (41%)

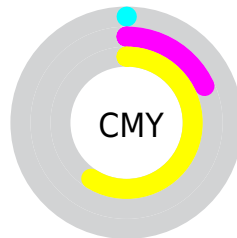


Cyan (0%)

Magenta (18%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3712, 0.4242, 0.4311 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 67.3712, 0.4242, 0.4311 by changing the saturation by 10% instead.


 67.3712, 0.4242,
0.4311


 67.3712, 0.4242,
0.4311


451.2649, 0.3744,
0.3867

 49.3864, 0.4345,
0.4399


 115.4521, 0.4077,
0.4167


 34.9261, 0.4464,
0.4499


 146.3170, 0.4010,
0.4107

 23.6059, 0.4601,
0.4609


 182.2440, 0.3952,
0.4055

 15.0416, 0.4756,
0.4727

 223.6176, 0.3900,
0.4009

 8.8486, 0.4952,
0.4869

270.8220, 0.3854,
0.3967

 4.6425, 0.5083,
0.4917

324.2418, 0.3813,

 2.0391, 0.5148,

0.3930

0.4852

384.2613, 0.3777,
0.3897

0.6300, 0.5344,
0.4656

0.0000, 0.0000,
0.0000

67.3712, 0.4242,
0.4311

67.3712, 0.4242,
0.4311

63.1586, 0.4438,
0.4428

71.9406, 0.4036,
0.4161

59.2755, 0.4615,
0.4503

76.8725, 0.3830,
0.3991

55.7051, 0.4764,
0.4527

82.1843, 0.3631,
0.3810

52.4183, 0.4881,
0.4502

87.8892, 0.3444,
0.3627

■ 52.1659, 0.4890,
0.4499

■ 93.9994, 0.3272,
0.3448

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



67.3712, 0.4523, 0.3831



67.3712, 0.4242, 0.4311



67.3712, 0.3676, 0.4580

Triad

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



67.3712, 0.4242, 0.4311



67.3712, 0.2004, 0.3075



67.3712, 0.3133, 0.2433

Complementary

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



67.3712, 0.4242, 0.4311



32.3000, 0.2097, 0.1944

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.



67.3712, 0.2488, 0.2231



67.3712, 0.4242, 0.4311



67.3712, 0.1898, 0.2523

Square

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



67.3712, 0.4242, 0.4311



67.3712, 0.2388, 0.3812



67.3712, 0.2063, 0.2248



67.3712, 0.3853, 0.2811

Rectangle

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



67.3712, 0.4242, 0.4311



67.3712, 0.3224, 0.4531



67.3712, 0.2063, 0.2248



67.3712, 0.2900, 0.2343

Sweetspot

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



67.3744, 0.4242, 0.4311



88.6108, 0.3423, 0.3605



33.4258, 0.4370, 0.2818



18.5991, 0.3475, 0.3658



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.



67.3744, 0.4242, 0.4311



62.4425, 0.4472, 0.4445



88.8953, 0.3775, 0.4792



20.0809, 0.3277, 0.3453



27.5387, 0.4875, 0.4511



2.8763, 0.4778, 0.4588

Inverse Universe

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



32.3000, 0.2097, 0.1944



24.7174, 0.1907, 0.1632



22.0074, 0.2142, 0.1452



18.2999, 0.2979, 0.3121



6.9541, 0.1617, 0.1020



0.8620, 0.1678, 0.1241

Previews

White Background



This preview shows how the Yxy color 67.3712, 0.4242, 0.4311 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 67.3712, 0.4242, 0.4311 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 67.3712, 0.4242, 0.4311

Background



This preview shows how black text looks on a background with the Yxy color 67.3712, 0.4242, 0.4311.



This preview shows how white text looks on a background with the Yxy color 67.3712, 0.4242, 0.4311.

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

67.3712, 0.4242, 0.4311

Protanopia

67.6460, 0.4043, 0.4424

Deuteranopia

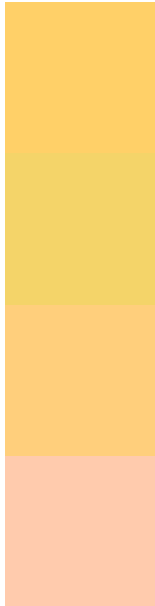
67.1802, 0.4042, 0.4008



Tritanopia

67.3220, 0.3472, 0.3168

Trichromacy



Original Color

67.3712, 0.4242, 0.4311

Protanomaly

67.3400, 0.4123, 0.4379

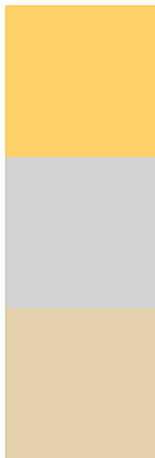
Deuteranomaly

67.3409, 0.4121, 0.4130

Tritanomaly

66.9890, 0.3773, 0.3604

Monochromacy



Original Color

67.3712, 0.4242, 0.4311

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.7100, 0.3535, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3712, 0.4242, 0.4311 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, 208, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 104)  
}
```

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, 208, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 104) }
```

Border

The CSS property to change the border of an element to Yxy 67.3712, 0.4242, 0.4311 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, 208, 104) }
```

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

```
.border{ border-color:rgb(255, 208, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3712, 0.4242, 0.4311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 104) }
```

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

```
.background{ background-color: rgb(255,  
208, 104) }
```

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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