

Converting Colors

$Y_{xy}(68.5378, 0.4238, 0.4348)$

Have a look what the booklet for
Yxy(68.5378, 0.4238, 0.4348)
contains.

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Color

Yxy(68.3125, 0.4241, 0.4345)

Conversions

Conversions Part 1

Format	Color
Hex	FFD266
RGB	255, 210, 102
RGB Percent	100%, 82%, 40%
CMY	0.0001, 0.1764, 0.6001
CMYK	0.00, 0.18, 0.60, 0.00
HSL	42°, 100%, 70%
HSV	42°, 60%, 100%
XYZ	66.6774, 68.3125, 22.2310
YIQ	211.1430, 61.4880, -24.0480

Conversions

Conversions Part 2

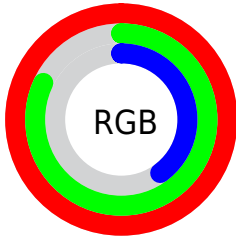
Format	Color
RYB	166, 255, 102
Decimal	16765542
CIELab	86.16, 3.92, 58.37
CIElCh	86, 58.505, 86.160
Yxy	68.3125, 0.4241, 0.4345
Android (android.graphics.Color)	4294955622 (0xFFFFD266)
YUV	211.1430, -53.8075, 38.4626
Hunter-Lab	82.6514, -0.6385, 41.9085

Details

The Yxy color **68.3125, 0.4241, 0.4345** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.8848, 0.2075, 0.1888**, and the grayscale version is **65.5715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1803, 0.3712, 0.4256**, and **35.5924, 0.4458, 0.4543** is the 20% darker color. If you saturate the color by 10%, you get **64.2717, 0.4429, 0.4462**, and if you desaturate by 10%, it is **72.6886, 0.4041, 0.4194**.

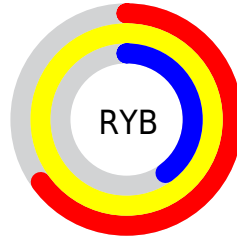
Distribution



Red (100%)

Green (82%)

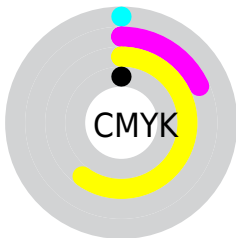
Blue (40%)



Red (65%)

Yellow (100%)

Blue (40%)

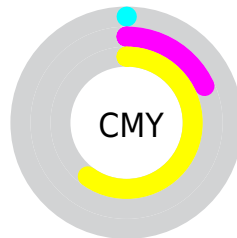


Cyan (0%)

Magenta (18%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3125, 0.4241, 0.4345 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 68.3125, 0.4241, 0.4345 by changing the saturation by 10% instead.


 68.3125, 0.4241,
0.4345

 68.3125, 0.4241,
0.4345

454.6024, 0.3747,
0.3887


 50.1520, 0.4342,
0.4435


 116.7991, 0.4078,
0.4196


 35.5342, 0.4458,
0.4538


 147.8940, 0.4012,
0.4135

 24.0747, 0.4591,
0.4652


 184.0691, 0.3954,
0.4081

 15.3890, 0.4737,
0.4772

 225.7089, 0.3903,
0.4033

 9.0929, 0.4927,
0.4922

273.1977, 0.3857,
0.3991

 4.8018, 0.5033,
0.4967

326.9200, 0.3816,

 2.1314, 0.5082,

0.3952

0.4918

387.2601, 0.3780,
0.3918

0.6822, 0.5217,
0.4783

0.0000, 0.0000,
0.0000

68.3125, 0.4241,
0.4345

68.3125, 0.4241,
0.4345

64.2717, 0.4429,
0.4462

72.6886, 0.4041,
0.4194

60.5393, 0.4597,
0.4536


77.4053, 0.3840,
0.4022

57.0984, 0.4735,
0.4559

82.4797, 0.3643,
0.3837

53.9212, 0.4843,
0.4537

87.9247, 0.3457,
0.3650

 93.7521, 0.3285,
0.3466

99.9731, 0.3127,
0.3290

99.9958, 0.3127,
0.3290

Harmonies

Analogous

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



68.3125, 0.4545, 0.3860



68.3125, 0.4241, 0.4345



68.3125, 0.3655, 0.4609

Triad

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



68.3125, 0.4241, 0.4345



68.3125, 0.1974, 0.3040



68.3125, 0.3164, 0.2431

Complementary

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



68.3125, 0.4241, 0.4345



30.8848, 0.2075, 0.1888

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.



68.3125, 0.2500, 0.2218



68.3125, 0.4241, 0.4345



68.3125, 0.1879, 0.2490

Square

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



68.3125, 0.4241, 0.4345



68.3125, 0.2352, 0.3791



68.3125, 0.2059, 0.2225



68.3125, 0.3896, 0.2822

Rectangle

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



68.3125, 0.4241, 0.4345



68.3125, 0.3194, 0.4546



68.3125, 0.2059, 0.2225



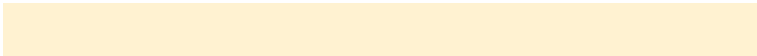
68.3125, 0.2924, 0.2338

Sweetspot

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



68.3158, 0.4241, 0.4345



89.0831, 0.3421, 0.3613



32.8850, 0.4431, 0.2840



18.7151, 0.3473, 0.3667



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.



68.3158, 0.4241, 0.4345



63.5176, 0.4465, 0.4481



88.3718, 0.3763, 0.4820



20.1362, 0.3276, 0.3457



28.4519, 0.4830, 0.4547



2.9598, 0.4740, 0.4619

Inverse Universe

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



30.8848, 0.2075, 0.1888



23.3303, 0.1883, 0.1566



21.6651, 0.2144, 0.1434



18.2474, 0.2979, 0.3117



6.6200, 0.1605, 0.0979



0.8240, 0.1666, 0.1197

Previews

White Background



This preview shows how the Yxy color 68.3125, 0.4241, 0.4345 looks on a white background.

Color Contrast Check

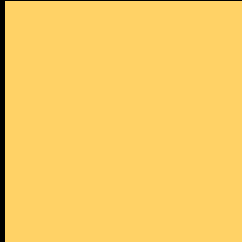
Large Text (above 18pt) WCAG AA × Fail

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 68.3125, 0.4241, 0.4345 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 68.3125, 0.4241, 0.4345

Background



This preview shows how black text looks on a background with the Yxy color 68.3125, 0.4241, 0.4345.



This preview shows how white text looks on a background with the Yxy color 68.3125, 0.4241, 0.4345.

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

68.3125, 0.4241, 0.4345

Protanopia

68.4619, 0.4065, 0.4442

Deuteranopia

68.2948, 0.3996, 0.3978



Tritanopia

68.3561, 0.3453, 0.3168

Trichromacy



Original Color

68.3125, 0.4241, 0.4345

Protanomaly

68.4849, 0.4131, 0.4410

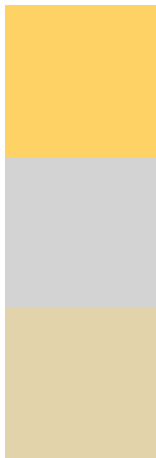
Deuteranomaly

68.3932, 0.4089, 0.4121

Tritanomaly

67.9398, 0.3766, 0.3624

Monochromacy



Original Color

68.3125, 0.4241, 0.4345

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.8597, 0.3538, 0.3739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3125, 0.4241, 0.4345 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 102) }
```

Border

The CSS property to change the border of an element to Yxy 68.3125, 0.4241, 0.4345 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, 102) }
```

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

```
.border{ border-color:rgb(255, 210, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3125, 0.4241, 0.4345 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
210, 102) }
```

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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