

Converting Colors

$Y_{xy}(65.6108, 0.4278, 0.4296)$

Have a look what the booklet for
Yxy(65.6108, 0.4278, 0.4296)
contains.

Yxy(65.4050, 0.4280, 0.4292)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.4050, 0.4280, 0.4292)

Conversions

Conversions Part 1

Format	Color
Hex	FFCC66
RGB	255, 204, 102
RGB Percent	100%, 80%, 40%
CMY	0.0001, 0.1999, 0.5999
CMYK	0.00, 0.20, 0.60, 0.00
HSL	40°, 100%, 70%
HSV	40°, 60%, 100%
XYZ	65.2221, 65.4050, 21.7610
YIQ	207.6210, 63.1380, -20.9100

Conversions

Conversions Part 2

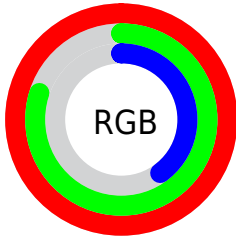
Format	Color
R _Y B	179, 255, 102
Decimal	16764006
CIE Lab	84.69, 7.00, 56.67
CIE LCh	85, 57.105, 82.959
Yxy	65.4050, 0.4280, 0.4292
Android (android.graphics.Color)	4294954086 (0xFFFFCC66)
YUV	207.6210, -52.0712, 41.5514
Hunter-Lab	80.8734, 2.4270, 40.6579

Details

The Yxy color **65.4050, 0.4280, 0.4292** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.8135, 0.2093, 0.1967**, and the grayscale version is **63.1324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1803, 0.3712, 0.4256**, and **33.6365, 0.4516, 0.4472** is the 20% darker color. If you saturate the color by 10%, you get **61.0494, 0.4484, 0.4402**, and if you desaturate by 10%, it is **70.1426, 0.4067, 0.4149**.

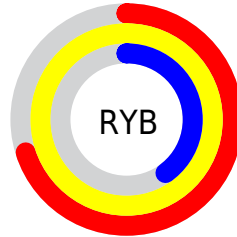
Distribution



Red (100%)

Green (80%)

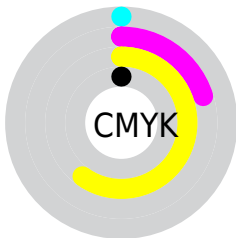
Blue (40%)



Red (70%)

Yellow (100%)

Blue (40%)

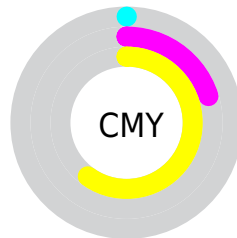


Cyan (0%)

Magenta (20%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4050, 0.4280, 0.4292 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 65.4050, 0.4280, 0.4292 by changing the saturation by 10% instead.

 65.4050, 0.4280,
0.4292

 65.4050, 0.4280,
0.4292

444.2459, 0.3761,
0.3858

 47.7896, 0.4388,
0.4377

 112.6319, 0.4107,
0.4151

 33.6603, 0.4513,
0.4473


 143.0122, 0.4038,
0.4093

 22.6327, 0.4658,
0.4578


 178.4162, 0.3977,
0.4042

 14.3226, 0.4822,
0.4687

 219.2283, 0.3923,
0.3997

 8.3453, 0.5045,
0.4828

265.8330, 0.3876,
0.3956

 4.3167, 0.5166,
0.4834

318.6145, 0.3833,

 1.8523, 0.5259,

0.3920

0.4741

377.9574, 0.3795,
0.3887

■ 0.5194, 0.5613,
0.4387

■ 0.0000, 0.0000,
0.0000

■ 65.4050, 0.4280,
0.4292

■ 65.4050, 0.4280,
0.4292

■ 61.0494, 0.4484,
0.4402

■ 70.1426, 0.4067,
0.4149

■ 57.0480, 0.4669,
0.4469

■ 75.2691, 0.3855,
0.3984

■ 53.3829, 0.4825,
0.4484

■ 80.8023, 0.3651,
0.3808

■ 50.0215, 0.4949,
0.4452

■ 86.7563, 0.3461,
0.3630

■ 50.0175, 0.4950,
0.4452

■ 93.1438, 0.3286,
0.3456

99.9770, 0.3127,
0.3290

99.9932, 0.3127,
0.3290

Harmonies

Analogous

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



65.4050, 0.4541, 0.3800



65.4050, 0.4280, 0.4292



65.4050, 0.3722, 0.4586

Triad

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



65.4050, 0.4280, 0.4292



65.4050, 0.2010, 0.3116



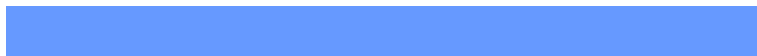
65.4050, 0.3086, 0.2407

Complementary

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



65.4050, 0.4280, 0.4292



32.8135, 0.2093, 0.1967

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.



65.4050, 0.2448, 0.2216



65.4050, 0.4280, 0.4292



65.4050, 0.1886, 0.2542

Square

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



65.4050, 0.4280, 0.4292



65.4050, 0.2415, 0.3865



65.4050, 0.2036, 0.2249



65.4050, 0.3816, 0.2778

Rectangle

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



65.4050, 0.4280, 0.4292



65.4050, 0.3269, 0.4559



65.4050, 0.2036, 0.2249



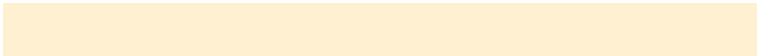
65.4050, 0.2854, 0.2321

Sweetspot

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



65.4082, 0.4280, 0.4292



88.0188, 0.3425, 0.3595



33.0593, 0.4362, 0.2788



18.4539, 0.3478, 0.3647



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.



65.4082, 0.4280, 0.4292



60.2349, 0.4523, 0.4420



89.1929, 0.3799, 0.4799



20.0114, 0.3277, 0.3448



26.4293, 0.4934, 0.4464



2.7744, 0.4828, 0.4549

Inverse Universe

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



32.8135, 0.2093, 0.1967



25.2281, 0.1906, 0.1658



21.2751, 0.2110, 0.1419



18.3662, 0.2979, 0.3127



7.4059, 0.1632, 0.1074



0.9123, 0.1694, 0.1298

Previews

White Background



This preview shows how the Yxy color 65.4050, 0.4280, 0.4292 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 65.4050, 0.4280, 0.4292 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 65.4050, 0.4280, 0.4292

Background



This preview shows how black text looks on a background with the Yxy color 65.4050, 0.4280, 0.4292.



This preview shows how white text looks on a background with the Yxy color 65.4050, 0.4280, 0.4292.

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

65.4050, 0.4280, 0.4292

Protanopia

65.5993, 0.4042, 0.4418

Deuteranopia

65.4271, 0.4143, 0.4093



Tritanopia

65.2939, 0.3511, 0.3168

Trichromacy



Original Color

65.4050, 0.4280, 0.4292

Protanomaly

65.4777, 0.4131, 0.4369

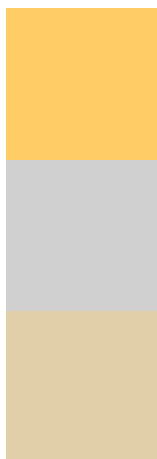
Deuteranomaly

65.2328, 0.4198, 0.4165

Tritanomaly

64.9714, 0.3818, 0.3605

Monochromacy



Original Color

65.4050, 0.4280, 0.4292

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.4978, 0.3547, 0.3721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4050, 0.4280, 0.4292 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, 204, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 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, 204, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 102) }
```

Border

The CSS property to change the border of an element to Yxy 65.4050, 0.4280, 0.4292 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, 204, 102) }
```

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

```
.border{ border-color:rgb(255, 204, 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, 204, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4050, 0.4280, 0.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 102) }
```

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

```
.background{ background-color: rgb(255,  
204, 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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