

Converting Colors

$Y_{xy}(69.4989, 0.4234, 0.4216)$

Have a look what the booklet for
Yxy(69.4989, 0.4234, 0.4216)
contains.

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Color

Yxy(68.0758, 0.4175, 0.4237)

Conversions

Conversions Part 1

Format	Color
Hex	FFD172
RGB	255, 209, 114
RGB Percent	100%, 82%, 45%
CMY	0.0000, 0.1804, 0.5531
CMYK	0.00, 0.18, 0.55, 0.00
HSL	40°, 100%, 72%
HSV	40°, 55%, 100%
XYZ	67.0796, 68.0758, 25.5144
YIQ	211.9240, 57.9110, -19.7930

Conversions

Conversions Part 2

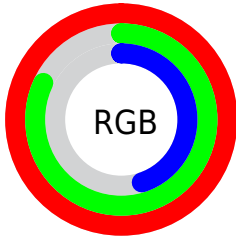
Format	Color
RYB	182, 255, 114
Decimal	16765298
CIELab	86.04, 5.32, 52.64
CIELCh	86, 52.904, 84.230
Yxy	68.0758, 0.4175, 0.4237
Android (android.graphics.Color)	4294955378 (0xFFFFD172)
YUV	211.9240, -48.2765, 37.7777
Hunter-Lab	82.5081, 0.7327, 39.4211

Details

The Yxy color **68.0758, 0.4175, 0.4237** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.9256, 0.2170, 0.2076**, and the grayscale version is **66.0815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6072, 0.3643, 0.4143**, and **35.3926, 0.4386, 0.4423** is the 20% darker color. If you saturate the color by 10%, you get **63.5997, 0.4382, 0.4366**, and if you desaturate by 10%, it is **72.9288, 0.3963, 0.4081**.

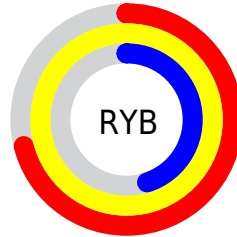
Distribution



Red (100%)

Green (82%)

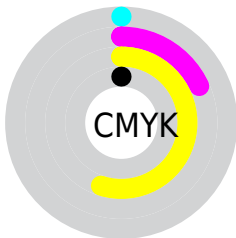
Blue (45%)



Red (71%)

Yellow (100%)

Blue (45%)

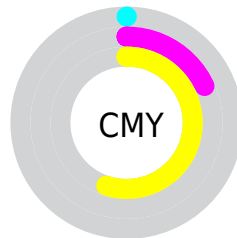


Cyan (0%)

Magenta (18%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (18%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0758, 0.4175, 0.4237 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 68.0758, 0.4175, 0.4237 by changing the saturation by 10% instead.


 68.0758, 0.4175,
0.4237

 68.0758, 0.4175,
0.4237

453.7645, 0.3703,
0.3822


 49.9594, 0.4274,
0.4321


 116.4606, 0.4017,
0.4101

 35.3811, 0.4391,
0.4418


 147.4977, 0.3954,
0.4045

 23.9566, 0.4529,
0.4528


 183.6106, 0.3898,
0.3996

 15.3014, 0.4688,
0.4649


225.1836, 0.3850,
0.3953

 9.0312, 0.4871,
0.4777

272.6011, 0.3807,
0.3915

 4.7616, 0.5090,
0.4910

326.2475, 0.3768,

 2.1080, 0.5156,

0.3880

0.4844

386.5072, 0.3734,
0.3850

0.6691, 0.5337,
0.4663

0.0000, 0.0000,
0.0000

68.0758, 0.4175,
0.4237

68.0758, 0.4175,
0.4237

63.5997, 0.4382,
0.4366

72.9288, 0.3963,
0.4081

59.4804, 0.4574,
0.4455

78.1710, 0.3756,
0.3908

55.6995, 0.4741,
0.4496

83.8176, 0.3559,
0.3729

52.2338, 0.4876,
0.4486

89.8817, 0.3376,
0.3551

■ 50.7012, 0.4931,
0.4467

■ 96.3758, 0.3209,
0.3378

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.



68.0758, 0.4421, 0.3794



68.0758, 0.4175, 0.4237



68.0758, 0.3657, 0.4479

Triad

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



68.0758, 0.4175, 0.4237



68.0758, 0.2087, 0.3111



68.0758, 0.3121, 0.2483

Complementary

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



68.0758, 0.4175, 0.4237



35.9256, 0.2170, 0.2076

Split Complementary

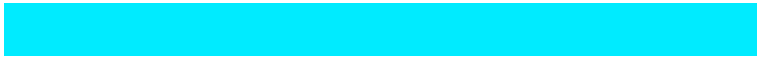
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.0758, 0.2524, 0.2298



68.0758, 0.4175, 0.4237



68.0758, 0.1979, 0.2591

Square

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



68.0758, 0.4175, 0.4237



68.0758, 0.2455, 0.3786



68.0758, 0.2129, 0.2323



68.0758, 0.3785, 0.2837

Rectangle

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



68.0758, 0.4175, 0.4237



68.0758, 0.3238, 0.4432



68.0758, 0.2129, 0.2323



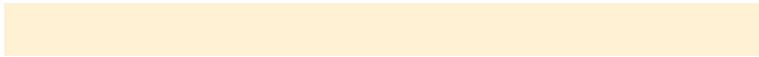
68.0758, 0.2906, 0.2401

Sweetspot

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



68.0768, 0.4175, 0.4237



88.8244, 0.3406, 0.3581



35.8604, 0.4216, 0.2816



18.7471, 0.3442, 0.3616



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.



68.0768, 0.4175, 0.4237



63.3024, 0.4396, 0.4373



89.8056, 0.3762, 0.4698



20.0334, 0.3277, 0.3450



26.7762, 0.4915, 0.4479



2.8063, 0.4812, 0.4561

Inverse Universe

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



35.9256, 0.2170, 0.2076



28.4563, 0.1992, 0.1796



24.6065, 0.2200, 0.1571



18.3451, 0.2979, 0.3125



7.2589, 0.1627, 0.1057



0.8960, 0.1689, 0.1280

Previews

White Background



This preview shows how the Yxy color 68.0758, 0.4175, 0.4237 looks on a white background.

Color Contrast Check

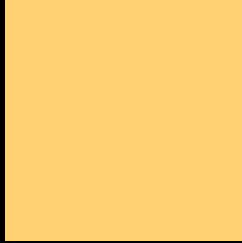
Large Text (above 18pt) WCAG AA × Fail

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 68.0758, 0.4175, 0.4237 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 68.0758, 0.4175, 0.4237

Background



This preview shows how black text looks on a background with the Yxy color 68.0758, 0.4175, 0.4237.



This preview shows how white text looks on a background with the Yxy color 68.0758, 0.4175, 0.4237.

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

68.0758, 0.4175, 0.4237

Protanopia

68.3772, 0.3978, 0.4343

Deuteranopia

67.8386, 0.3994, 0.3959



Tritanopia

67.8374, 0.3463, 0.3168

Trichromacy



Original Color

68.0758, 0.4175, 0.4237

Protanomaly

68.0594, 0.4057, 0.4301

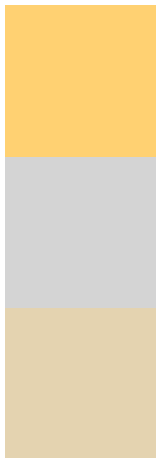
Deuteranomaly

68.0377, 0.4060, 0.4065

Tritanomaly

67.6201, 0.3738, 0.3572

Monochromacy



Original Color

68.0758, 0.4175, 0.4237

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.2171, 0.3509, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0758, 0.4175, 0.4237 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, 209, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 114)  
}
```

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, 209, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 114) }
```

Border

The CSS property to change the border of an element to Yxy 68.0758, 0.4175, 0.4237 is called "border". The border property can be set on classes, ids or directly on the HTML element.

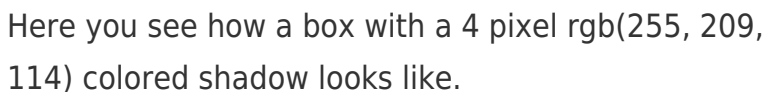
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 209, 114) }
```

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

```
.border{ border-color:rgb(255, 209, 114) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 209, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 209, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 209, 114); box-shadow:4px 4px 4px 4px rgb(255, 209, 114) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0758, 0.4175, 0.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 114) }
```

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

```
.background{ background-color: rgb(255,  
209, 114) }
```

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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