

Converting Colors

$Y_{xy}(72.6956, 0.4172, 0.4118)$

Have a look what the booklet for
Yxy(72.6956, 0.4172, 0.4118)
contains.

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Color

Yxy(70.3808, 0.4068, 0.4158)

Conversions

Conversions Part 1

Format	Color
Hex	FFD57F
RGB	255, 213, 127
RGB Percent	100%, 84%, 50%
CMY	0.0001, 0.1646, 0.5020
CMYK	0.00, 0.16, 0.50, 0.00
HSL	40°, 100%, 75%
HSV	40°, 50%, 100%
XYZ	68.8574, 70.3808, 30.0278
YIQ	215.7540, 52.6380, -17.8420

Conversions

Conversions Part 2

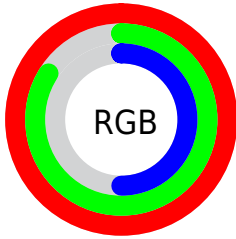
Format	Color
RYB	190, 255, 127
Decimal	16766335
CIELab	87.18, 4.31, 47.72
CIELCh	87, 47.914, 84.842
Yxy	70.3808, 0.4068, 0.4158
Android (android.graphics.Color)	4294956415 (0xFFFFD57F)
YUV	215.7540, -43.7557, 34.4187
Hunter-Lab	83.8933, -0.3051, 37.5037

Details

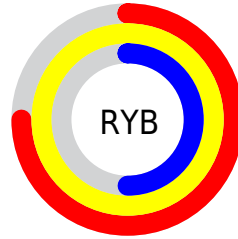
The Yxy color **70.3808, 0.4068, 0.4158** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.0835, 0.2261, 0.2212**, and the grayscale version is **68.7694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **37.0400, 0.4268, 0.4339** is the 20% darker color. If you saturate the color by 10%, you get **65.7037, 0.4279, 0.4302**, and if you desaturate by 10%, it is **75.4495, 0.3857, 0.3993**.

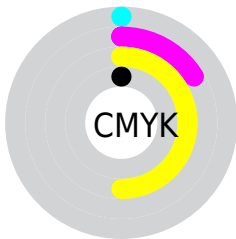
Distribution



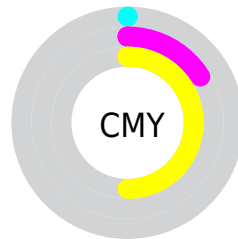
- Red (100%)
- Green (84%)
- Blue (50%)



- Red (75%)
- Yellow (100%)
- Blue (50%)



- Cyan (0%)
- Magenta (16%)
- Yellow (50%)
- Black (0%)




- Cyan (0%)
- Magenta (16%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3808, 0.4068, 0.4158 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 70.3808, 0.4068, 0.4158 by changing the saturation by 10% instead.


 70.3808, 0.4068,
0.4158

 70.3808, 0.4068,
0.4158


461.8859, 0.3643,
0.3774

 51.8370, 0.4159,
0.4238


 119.7516, 0.3925,
0.4030

 36.8752, 0.4267,
0.4332

 151.3475, 0.3867,
0.3979

 25.1109, 0.4396,
0.4441


 188.0629, 0.3818,
0.3934

 16.1597, 0.4550,
0.4567

230.2821, 0.3774,
0.3894

 9.6372, 0.4729,
0.4706

278.3897, 0.3735,
0.3859

 5.1591, 0.5045,
0.4955

332.7699, 0.3701,

 2.3409, 0.5096,

0.3827

0.4904

393.8072, 0.3670,
0.3799

0.7952, 0.5199,
0.4801

0.0000, 0.0000,
0.0000

70.3808, 0.4068,
0.4158

70.3808, 0.4068,
0.4158

65.7037, 0.4279,
0.4302

75.4495, 0.3857,
0.3993

61.3921, 0.4481,
0.4412

80.9146, 0.3654,
0.3816

57.4310, 0.4663,
0.4479

86.7930, 0.3464,
0.3637

53.7995, 0.4815,
0.4494

93.0975, 0.3289,
0.3461

■ 50.5283, 0.4935,
0.4463

99.8402, 0.3130,
0.3293

99.9953, 0.3127,
0.3290

Harmonies

Analogous

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



70.3808, 0.4289, 0.3767



70.3808, 0.4068, 0.4158



70.3808, 0.3601, 0.4354

Triad

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



70.3808, 0.4068, 0.4158



70.3808, 0.2182, 0.3125



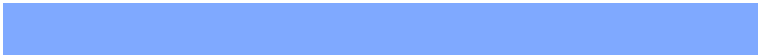
70.3808, 0.3137, 0.2563

Complementary

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



70.3808, 0.4068, 0.4158



40.0835, 0.2261, 0.2212

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.



70.3808, 0.2595, 0.2390



70.3808, 0.4068, 0.4158



70.3808, 0.2085, 0.2658

Square

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



70.3808, 0.4068, 0.4158



70.3808, 0.2516, 0.3720



70.3808, 0.2228, 0.2413



70.3808, 0.3729, 0.2890

Rectangle

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



70.3808, 0.4068, 0.4158



70.3808, 0.3223, 0.4298



70.3808, 0.2228, 0.2413



70.3808, 0.2943, 0.2486

Sweetspot

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



70.3841, 0.4068, 0.4158



90.0357, 0.3371, 0.3545



39.3187, 0.4065, 0.2852



18.9885, 0.3408, 0.3582



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.



70.3841, 0.4068, 0.4158



65.8070, 0.4275, 0.4299



90.4683, 0.3716, 0.4580



20.0281, 0.3277, 0.3449



26.6921, 0.4920, 0.4476



2.7986, 0.4816, 0.4558

Inverse Universe

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



40.0835, 0.2261, 0.2212



32.5522, 0.2090, 0.1956



28.7182, 0.2301, 0.1743



18.3502, 0.2979, 0.3126



7.2940, 0.1628, 0.1061



0.8999, 0.1690, 0.1284

Previews

White Background



This preview shows how the Yxy color 70.3808, 0.4068, 0.4158 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 70.3808, 0.4068, 0.4158 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 70.3808, 0.4068, 0.4158

Background



This preview shows how black text looks on a background with the Yxy color 70.3808, 0.4068, 0.4158.



This preview shows how white text looks on a background with the Yxy color 70.3808, 0.4068, 0.4158.

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

70.3808, 0.4068, 0.4158

Protanopia

70.5987, 0.3898, 0.4241

Deuteranopia

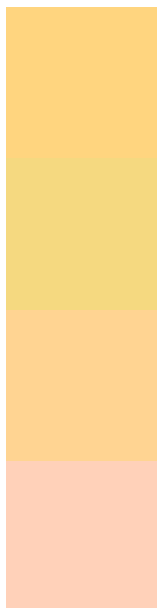
70.2829, 0.3867, 0.3848



Tritanopia

70.4646, 0.3416, 0.3169

Trichromacy



Original Color

70.3808, 0.4068, 0.4158

Protanomaly

70.5967, 0.3962, 0.4214

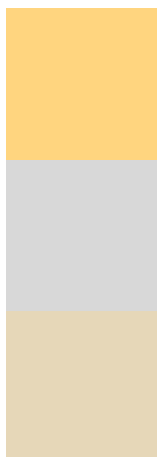
Deuteranomaly

70.4223, 0.3942, 0.3968

Tritanomaly

70.3637, 0.3662, 0.3539

Monochromacy



Original Color

70.3808, 0.4068, 0.4158

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.8846, 0.3458, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3808, 0.4068, 0.4158 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, 213, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 127)  
}
```

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, 213, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 127) }
```

Border

The CSS property to change the border of an element to Yxy 70.3808, 0.4068, 0.4158 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, 213, 127) }
```

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

```
.border{ border-color:rgb(255, 213, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3808, 0.4068, 0.4158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 127) }
```

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

```
.background{ background-color: rgb(255,  
213, 127) }
```

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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