

Converting Colors

$Yxy(93.9176, 0.4766, 0.3905)$

Have a look what the booklet for
Yxy(93.9176, 0.4766, 0.3905)
contains.

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Color

Yxy(70.3549, 0.4075, 0.4167)

Conversions

Conversions Part 1

Format	Color
Hex	FFD57E
RGB	255, 213, 126
RGB Percent	100%, 84%, 49%
CMY	0.0000, 0.1647, 0.5060
CMYK	0.00, 0.16, 0.51, 0.00
HSL	40°, 100%, 75%
HSV	40°, 51%, 100%
XYZ	68.8016, 70.3549, 29.6818
YIQ	215.6400, 52.9590, -18.1530

Conversions

Conversions Part 2

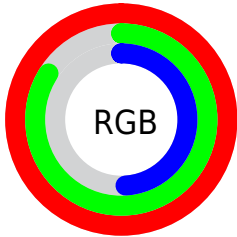
Format	Color
RYB	188, 255, 126
Decimal	16766334
CIELab	87.17, 4.24, 48.20
CIELCh	87, 48.387, 84.972
Yxy	70.3549, 0.4075, 0.4167
Android (android.graphics.Color)	4294956414 (0xFFFFD57E)
YUV	215.6400, -44.1925, 34.5187
Hunter-Lab	83.8778, -0.3699, 37.7336

Details

The Yxy color **70.3549, 0.4075, 0.4167** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.6466, 0.2253, 0.2198**, and the grayscale version is **68.6895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0753, 0.3573, 0.4028**, and **37.0264, 0.4276, 0.4349** is the 20% darker color. If you saturate the color by 10%, you get **65.7107, 0.4285, 0.4310**, and if you desaturate by 10%, it is **75.3832, 0.3865, 0.4002**.

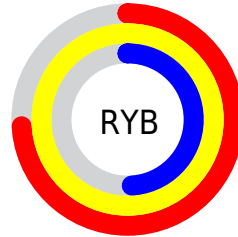
Distribution



Red (100%)

Green (84%)

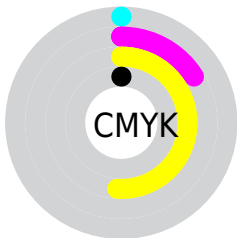
Blue (49%)



Red (74%)

Yellow (100%)

Blue (49%)

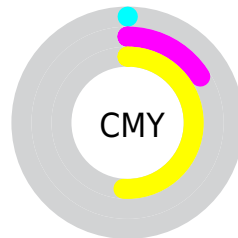


Cyan (0%)

Magenta (16%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (16%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3549, 0.4075, 0.4167 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 70.3549, 0.4075, 0.4167 by changing the saturation by 10% instead.


 70.3549, 0.4075,
0.4167

 70.3549, 0.4075,
0.4167


461.7951, 0.3647,
0.3779


 51.8159, 0.4166,
0.4248


 119.7147, 0.3931,
0.4038

 36.8584, 0.4275,
0.4342


 151.3044, 0.3873,
0.3986

 25.0978, 0.4404,
0.4452


 188.0130, 0.3823,
0.3941

 16.1500, 0.4558,
0.4578

230.2250, 0.3779,
0.3901

 9.6303, 0.4736,
0.4716

278.3249, 0.3740,
0.3865

 5.1546, 0.5042,
0.4958

332.6969, 0.3706,

 2.3382, 0.5092,

0.3833

0.4908

393.7255, 0.3675,
0.3805

0.7938, 0.5195,
0.4805

0.0000, 0.0000,
0.0000

70.3549, 0.4075,
0.4167

70.3549, 0.4075,
0.4167

65.7107, 0.4285,
0.4310

75.3832, 0.3865,
0.4002

61.4303, 0.4485,
0.4420

80.8064, 0.3662,
0.3825

57.4971, 0.4665,
0.4485

86.6393, 0.3471,
0.3645

53.8899, 0.4815,
0.4498

92.8948, 0.3296,
0.3469

■ 50.7663, 0.4929,
0.4469

99.5849, 0.3136,
0.3300

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.



70.3549, 0.4300, 0.3772



70.3549, 0.4075, 0.4167



70.3549, 0.3603, 0.4365

Triad

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



70.3549, 0.4075, 0.4167



70.3549, 0.2172, 0.3120



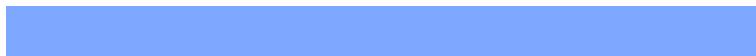
70.3549, 0.3140, 0.2557

Complementary

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



70.3549, 0.4075, 0.4167



39.6466, 0.2253, 0.2198

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.



70.3549, 0.2591, 0.2383



70.3549, 0.4075, 0.4167



70.3549, 0.2076, 0.2650

Square

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



70.3549, 0.4075, 0.4167



70.3549, 0.2508, 0.3722



70.3549, 0.2221, 0.2404



70.3549, 0.3738, 0.2888

Rectangle

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



70.3549, 0.4075, 0.4167



70.3549, 0.3221, 0.4308



70.3549, 0.2221, 0.2404



70.3549, 0.2943, 0.2479

Sweetspot

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



70.3562, 0.4075, 0.4167



90.0892, 0.3371, 0.3546



39.0383, 0.4077, 0.2849



19.0014, 0.3408, 0.3583



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.



70.3562, 0.4075, 0.4167



65.5323, 0.4293, 0.4315



90.4327, 0.3719, 0.4589



20.0355, 0.3277, 0.3450



26.8100, 0.4913, 0.4481



2.8094, 0.4810, 0.4563

Inverse Universe

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



39.6466, 0.2253, 0.2198



31.7356, 0.2073, 0.1925



28.3816, 0.2293, 0.1729



18.3431, 0.2979, 0.3125



7.2448, 0.1627, 0.1055



0.8945, 0.1688, 0.1278

Previews

White Background



This preview shows how the Yxy color 70.3549, 0.4075, 0.4167 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 70.3549, 0.4075, 0.4167 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 70.3549, 0.4075, 0.4167

Background



This preview shows how black text looks on a background with the Yxy color 70.3549, 0.4075, 0.4167.



This preview shows how white text looks on a background with the Yxy color 70.3549, 0.4075, 0.4167.

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

70.3549, 0.4075, 0.4167

Protanopia

70.5723, 0.3905, 0.4251

Deuteranopia

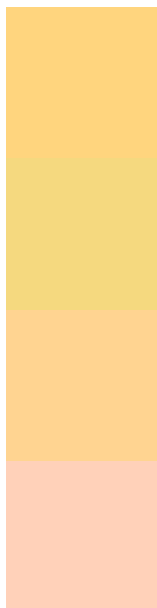
70.2488, 0.3874, 0.3858



Tritanopia

70.4646, 0.3416, 0.3169

Trichromacy



Original Color

70.3549, 0.4075, 0.4167

Protanomaly

70.5705, 0.3968, 0.4224

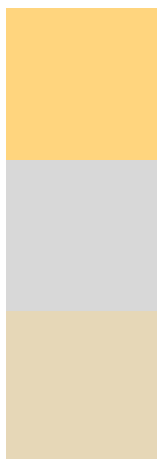
Deuteranomaly

70.3913, 0.3949, 0.3977

Tritanomaly

70.3637, 0.3662, 0.3539

Monochromacy



Original Color

70.3549, 0.4075, 0.4167

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.8428, 0.3465, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3549, 0.4075, 0.4167 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 126) }
```

Border

The CSS property to change the border of an element to Yxy 70.3549, 0.4075, 0.4167 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, 126) }
```

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

```
.border{ border-color:rgb(255, 213, 126) }
```

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, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3549, 0.4075, 0.4167 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, 126) }
```

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

```
.background{ background-color: rgb(255,  
213, 126) }
```

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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