

Converting Colors

$Y_{xy}(73.0675, 0.4412, 0.3950)$

Have a look what the booklet for
Yxy(73.0675, 0.4412, 0.3950)
contains.

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Color

Yxy(65.0596, 0.4120, 0.4046)

Conversions

Conversions Part 1

Format	Color
Hex	FFCA80
RGB	255, 202, 128
RGB Percent	100%, 79%, 50%
CMY	0.0001, 0.2078, 0.4980
CMYK	0.00, 0.21, 0.50, 0.00
HSL	35°, 100%, 75%
HSV	35°, 50%, 100%
XYZ	66.2495, 65.0596, 29.4907
YIQ	209.4110, 55.3420, -11.7780

Conversions

Conversions Part 2

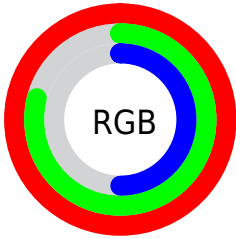
Format	Color
RYB	219, 255, 128
Decimal	16763520
CIELab	84.51, 10.07, 43.90
CIELCh	85, 45.039, 77.082
Yxy	65.0596, 0.4120, 0.4046
Android (android.graphics.Color)	4294953600 (0xFFFFCA80)
YUV	209.4110, -40.1356, 39.9816
Hunter-Lab	80.6595, 5.4564, 34.7841

Details

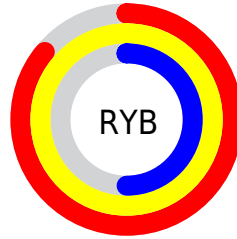
The Yxy color **65.0596, 0.4120, 0.4046** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.8410, 0.2297, 0.2369**, and the grayscale version is **64.2844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **33.4514, 0.4348, 0.4192** is the 20% darker color. If you saturate the color by 10%, you get **59.6531, 0.4363, 0.4173**, and if you desaturate by 10%, it is **70.9850, 0.3885, 0.3899**.

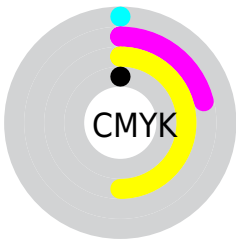
Distribution



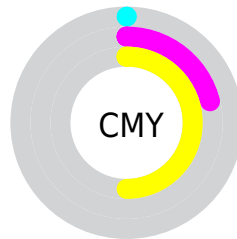
- Red (100%)
- Green (79%)
- Blue (50%)



- Red (86%)
- Yellow (100%)
- Blue (50%)



- Cyan (0%)
- Magenta (21%)
- Yellow (50%)
- Black (0%)




- Cyan (0%)
- Magenta (21%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.0596, 0.4120, 0.4046 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 65.0596, 0.4120, 0.4046 by changing the saturation by 10% instead.

 65.0596, 0.4120,
0.4046


 65.0596, 0.4120,
0.4046


443.0061, 0.3660,
0.3712


 47.5094, 0.4222,
0.4115


 112.1355, 0.3962,
0.3935

 33.4385, 0.4345,
0.4195


 142.4301, 0.3900,
0.3891

 22.4626, 0.4494,
0.4288


 177.7415, 0.3846,
0.3852

 14.1972, 0.4678,
0.4393

218.4543, 0.3799,
0.3817

 8.2580, 0.4900,
0.4502

264.9527, 0.3758,
0.3786

 4.2605, 0.5293,
0.4707

317.6212, 0.3722,

 1.8203, 0.5425,

0.3759

0.4575

376.8442, 0.3689,
0.3734

0.4998, 0.5905,
0.4095

0.0000, 0.0000,
0.0000

65.0596, 0.4120,
0.4046

65.0596, 0.4120,
0.4046

59.6531, 0.4363,
0.4173

70.9850, 0.3885,
0.3899

54.7363, 0.4603,
0.4268

77.4381, 0.3666,
0.3743

50.2905, 0.4829,
0.4318

84.4390, 0.3465,
0.3586

46.2909, 0.5025,
0.4316

92.0039, 0.3285,
0.3433

■ 42.7017, 0.5186,
0.4263

99.9946, 0.3127,
0.3290

■ 42.6316, 0.5190,
0.4261

Harmonies

Analogous

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



65.0596, 0.4251, 0.3643



65.0596, 0.4120, 0.4046



65.0596, 0.3720, 0.4295

Triad

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



65.0596, 0.4120, 0.4046



65.0596, 0.2275, 0.3276



65.0596, 0.2991, 0.2525

Complementary

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



65.0596, 0.4120, 0.4046



44.8410, 0.2297, 0.2369

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.



65.0596, 0.2501, 0.2405



65.0596, 0.4120, 0.4046



65.0596, 0.2119, 0.2779

Square

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



65.0596, 0.4120, 0.4046



65.0596, 0.2654, 0.3847



65.0596, 0.2198, 0.2482



65.0596, 0.3567, 0.2809

Rectangle

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



65.0596, 0.4120, 0.4046



65.0596, 0.3366, 0.4301



65.0596, 0.2198, 0.2482



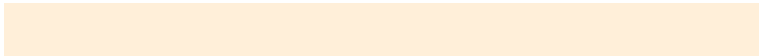
65.0596, 0.2812, 0.2465

Sweetspot

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



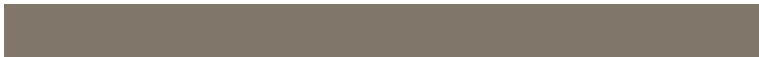
65.0627, 0.4120, 0.4046



88.0170, 0.3376, 0.3512



40.1155, 0.3908, 0.2726



18.5011, 0.3414, 0.3544



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.



65.0627, 0.4120, 0.4046



59.5621, 0.4368, 0.4175



92.7452, 0.3800, 0.4529



19.7464, 0.3280, 0.3428



22.5833, 0.5169, 0.4278



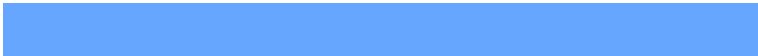
2.4148, 0.5027, 0.4391

Inverse Universe

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



44.8410, 0.2297, 0.2369



37.2496, 0.2131, 0.2138



27.9330, 0.2222, 0.1724



18.6226, 0.2979, 0.3148



9.4759, 0.1697, 0.1309



1.1325, 0.1759, 0.1531

Previews

White Background



This preview shows how the Yxy color 65.0596, 0.4120, 0.4046 looks on a white background.

Color Contrast Check

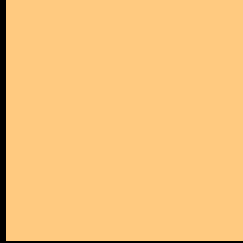
Large Text (above 18pt) WCAG AA × Fail

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 65.0596, 0.4120, 0.4046 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 65.0596, 0.4120, 0.4046

Background



This preview shows how black text looks on a background with the Yxy color 65.0596, 0.4120, 0.4046.



This preview shows how white text looks on a background with the Yxy color 65.0596, 0.4120, 0.4046.

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

65.0596, 0.4120, 0.4046

Protanopia

65.0502, 0.3849, 0.4172

Deuteranopia

65.1398, 0.4099, 0.4017



Tritanopia

64.8443, 0.3513, 0.3157

Trichromacy



Original Color

65.0596, 0.4120, 0.4046

Protanomaly

65.0742, 0.3944, 0.4128

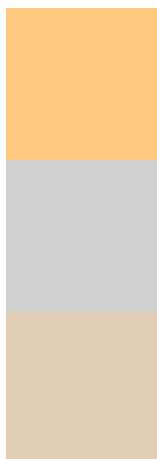
Deuteranomaly

65.1128, 0.4106, 0.4027

Tritanomaly

64.9028, 0.3741, 0.3490

Monochromacy



Original Color

65.0596, 0.4120, 0.4046

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.6067, 0.3475, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.0596, 0.4120, 0.4046 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, 202, 128)` looks like.

```
.text, #text, p{  
  color:rgb(255, 202, 128)  
}
```

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, 202, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 128) }
```

Border

The CSS property to change the border of an element to Yxy 65.0596, 0.4120, 0.4046 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, 202, 128) }
```

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

```
.border{ border-color:rgb(255, 202, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 65.0596, 0.4120, 0.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 128) }
```

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

```
.background{ background-color: rgb(255,  
202, 128) }
```

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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