

Converting Colors

$Y_{xy}(79.0195, 0.4620, 0.3878)$

Have a look what the booklet for
Yxy(79.0195, 0.4620, 0.3878)
contains.

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Color

Yxy(64.5918, 0.4126, 0.4036)

Conversions

Conversions Part 1

Format	Color
Hex	FFC980
RGB	255, 201, 128
RGB Percent	100%, 79%, 50%
CMY	0.0000, 0.2118, 0.4980
CMYK	0.00, 0.21, 0.50, 0.00
HSL	34°, 100%, 75%
HSV	34°, 50%, 100%
XYZ	66.0322, 64.5918, 29.4152
YIQ	208.8240, 55.6170, -11.2550

Conversions

Conversions Part 2

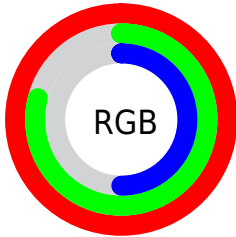
Format	Color
R_{YB}	222, 255, 128
Decimal	16763264
CIE Lab	84.27, 10.62, 43.59
CIE LCh	84, 44.870, 76.303
Yxy	64.5918, 0.4126, 0.4036
Android (android.graphics.Color)	4294953344 (0xFFFFC980)
YUV	208.8240, -39.8462, 40.4964
Hunter-Lab	80.3690, 6.0119, 34.5581

Details

The Yxy color **64.5918, 0.4126, 0.4036** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.2773, 0.2299, 0.2383**, and the grayscale version is **63.8751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **33.1390, 0.4357, 0.4180** is the 20% darker color. If you saturate the color by 10%, you get **59.1206, 0.4372, 0.4161**, and if you desaturate by 10%, it is **70.5835, 0.3889, 0.3891**.

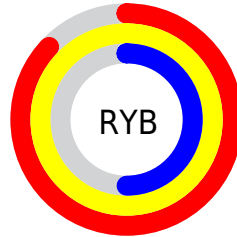
Distribution



Red (100%)

Green (79%)

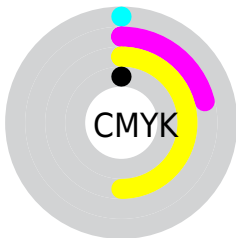
Blue (50%)



Red (87%)

Yellow (100%)

Blue (50%)

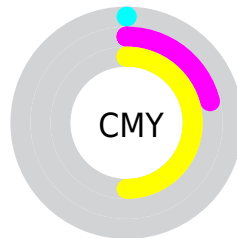


Cyan (0%)

Magenta (21%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5918, 0.4126, 0.4036 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 64.5918, 0.4126, 0.4036 by changing the saturation by 10% instead.


 64.5918, 0.4126,
0.4036


 64.5918, 0.4126,
0.4036


441.3236, 0.3662,
0.3707

 47.1302, 0.4229,
0.4104

 111.4628, 0.3967,
0.3927

 33.1386, 0.4353,
0.4183


 141.6409, 0.3904,
0.3883

 22.2326, 0.4505,
0.4274


 176.8267, 0.3850,
0.3844

 14.0279, 0.4691,
0.4377

217.4045, 0.3803,
0.3810

 8.1401, 0.4918,
0.4482

263.7587, 0.3761,
0.3780

 4.1847, 0.5318,
0.4682

316.2736, 0.3724,

 1.7774, 0.5459,

0.3753

0.4541

375.3338, 0.3691,
0.3729

0.4730, 0.5998,
0.4002

0.0000, 0.0000,
0.0000

64.5918, 0.4126,
0.4036

64.5918, 0.4126,
0.4036

59.1206, 0.4372,
0.4161

70.5835, 0.3889,
0.3891

54.1576, 0.4616,
0.4254

77.1223, 0.3667,
0.3737

49.6778, 0.4845,
0.4303

84.2229, 0.3466,
0.3582

45.6560, 0.5045,
0.4299

91.9018, 0.3285,
0.3431

■ 42.0558, 0.5211,
0.4243

100.0000, 0.3127,
0.3290

■ 41.9861, 0.5214,
0.4242

Harmonies

Analogous

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



64.5918, 0.4249, 0.3631



64.5918, 0.4126, 0.4036



64.5918, 0.3732, 0.4290

Triad

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



64.5918, 0.4126, 0.4036



64.5918, 0.2283, 0.3291



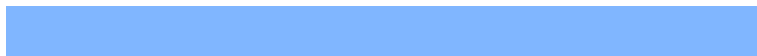
64.5918, 0.2977, 0.2521

Complementary

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



64.5918, 0.4126, 0.4036



45.2773, 0.2299, 0.2383

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.



64.5918, 0.2492, 0.2405



64.5918, 0.4126, 0.4036



64.5918, 0.2121, 0.2790

Square

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



64.5918, 0.4126, 0.4036



64.5918, 0.2666, 0.3859



64.5918, 0.2194, 0.2488



64.5918, 0.3552, 0.2801

Rectangle

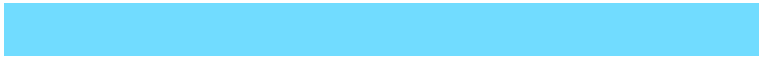
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.5918, 0.4126, 0.4036



64.5918, 0.3381, 0.4302



64.5918, 0.2194, 0.2488



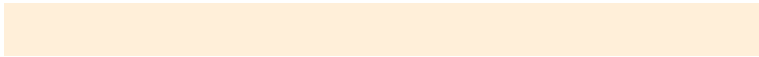
64.5918, 0.2799, 0.2462

Sweetspot

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



64.5892, 0.4126, 0.4036



87.8328, 0.3376, 0.3509



40.1241, 0.3908, 0.2726



18.4567, 0.3415, 0.3541



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.



64.5892, 0.4126, 0.4036



59.0146, 0.4377, 0.4164



92.7687, 0.3800, 0.4529



19.7206, 0.3280, 0.3427



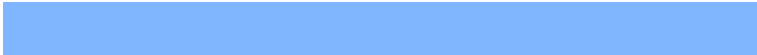
22.2410, 0.5192, 0.4259



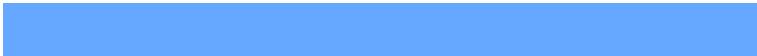
2.3822, 0.5047, 0.4375

Inverse Universe

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



45.2773, 0.2299, 0.2383



37.7090, 0.2135, 0.2155



27.9383, 0.2222, 0.1724



18.6478, 0.2979, 0.3150



9.7083, 0.1704, 0.1334



1.1564, 0.1765, 0.1555

Previews

White Background



This preview shows how the Yxy color 64.5918, 0.4126, 0.4036 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 64.5918, 0.4126, 0.4036 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 64.5918, 0.4126, 0.4036

Background



This preview shows how black text looks on a background with the Yxy color 64.5918, 0.4126, 0.4036.



This preview shows how white text looks on a background with the Yxy color 64.5918, 0.4126, 0.4036.

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

64.5918, 0.4126, 0.4036

Protanopia

65.0775, 0.3842, 0.4161

Deuteranopia

64.5918, 0.4126, 0.4036



Tritanopia

64.3486, 0.3523, 0.3157

Trichromacy



Original Color

64.5918, 0.4126, 0.4036

Protanomaly

64.6151, 0.3942, 0.4108

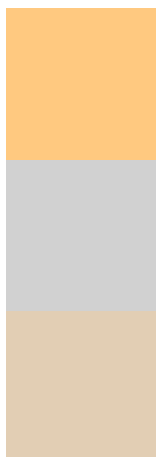
Deuteranomaly

64.5918, 0.4126, 0.4036

Tritanomaly

64.4069, 0.3752, 0.3490

Monochromacy



Original Color

64.5918, 0.4126, 0.4036

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 64.5918, 0.4126, 0.4036 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, 201, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 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, 201, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 128) }
```

Border

The CSS property to change the border of an element to Yxy 64.5918, 0.4126, 0.4036 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, 201, 128) }
```

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

```
.border{ border-color:rgb(255, 201, 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, 201, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5918, 0.4126, 0.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 128) }
```

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

```
.background{ background-color: rgb(255,  
201, 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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