

Converting Colors

$Yxy(76.3034, 0.4584, 0.3875)$

Have a look what the booklet for
Yxy(76.3034, 0.4584, 0.3875)
contains.

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Color

Yxy(63.6654, 0.4137, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	FFC780
RGB	255, 199, 128
RGB Percent	100%, 78%, 50%
CMY	0.0000, 0.2196, 0.4980
CMYK	0.00, 0.22, 0.50, 0.00
HSL	34°, 100%, 75%
HSV	34°, 50%, 100%
XYZ	65.5673, 63.6654, 29.2572
YIQ	207.6500, 56.1670, -10.2090

Conversions

Conversions Part 2

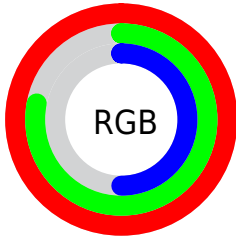
Format	Color
R_{YB}	228, 255, 128
Decimal	16762752
CIE _{Lab}	83.79, 11.66, 43.00
CIE _{LCh}	84, 44.548, 74.828
Yxy	63.6654, 0.4137, 0.4017
Android (android.graphics.Color)	4294952832 (0xFFFFC780)
YUV	207.6500, -39.2675, 41.5259
Hunter-Lab	79.7906, 7.0474, 34.1132

Details

The Yxy color **63.6654, 0.4137, 0.4017** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.0964, 0.2304, 0.2409**, and the grayscale version is **63.0678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **32.5224, 0.4375, 0.4156** is the 20% darker color. If you saturate the color by 10%, you get **58.0890, 0.4389, 0.4139**, and if you desaturate by 10%, it is **69.7892, 0.3895, 0.3876**.

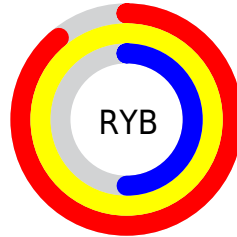
Distribution



Red (100%)

Green (78%)

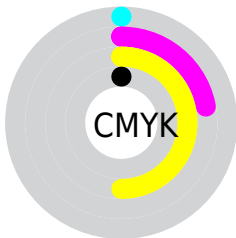
Blue (50%)



Red (89%)

Yellow (100%)

Blue (50%)

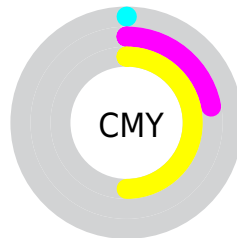


Cyan (0%)

Magenta (22%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6654, 0.4137, 0.4017 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 63.6654, 0.4137, 0.4017 by changing the saturation by 10% instead.

 63.6654, 0.4137,
0.4017

 63.6654, 0.4137,
0.4017


437.9803, 0.3666,
0.3697


 46.3797, 0.4242,
0.4083

 110.1289, 0.3975,
0.3911

 32.5456, 0.4369,
0.4159


 140.0755, 0.3911,
0.3868

 21.7786, 0.4525,
0.4247


 175.0113, 0.3856,
0.3831

 13.6943, 0.4717,
0.4346

215.3205, 0.3808,
0.3797

 7.9083, 0.4952,
0.4446

261.3876, 0.3766,
0.3768

 4.0364, 0.5366,
0.4634

313.5971, 0.3729,

 1.6939, 0.5523,

0.3742

0.4477

372.3332, 0.3696,
0.3718

0.4197, 0.6196,
0.3804

0.0000, 0.0000,
0.0000

63.6654, 0.4137,
0.4017

63.6654, 0.4137,
0.4017

58.0890, 0.4389,
0.4139

69.7892, 0.3895,
0.3876

53.0446, 0.4640,
0.4229

76.4855, 0.3671,
0.3726

48.5070, 0.4877,
0.4274

83.7708, 0.3467,
0.3574

44.4499, 0.5085,
0.4266

91.6622, 0.3285,
0.3427

■ 40.8360, 0.5257, 100.0000, 0.3127,
0.4207 0.3290

■ 40.7678, 0.5260,
0.4205

Harmonies

Analogous

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



63.6654, 0.4244, 0.3609



63.6654, 0.4137, 0.4017



63.6654, 0.3754, 0.4281

Triad

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



63.6654, 0.4137, 0.4017



63.6654, 0.2299, 0.3319



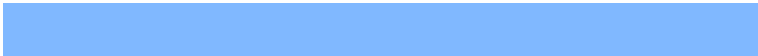
63.6654, 0.2950, 0.2513

Complementary

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



63.6654, 0.4137, 0.4017



46.0964, 0.2304, 0.2409

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.



63.6654, 0.2474, 0.2406



63.6654, 0.4137, 0.4017



63.6654, 0.2126, 0.2812

Square

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



63.6654, 0.4137, 0.4017



63.6654, 0.2691, 0.3883



63.6654, 0.2187, 0.2499



63.6654, 0.3523, 0.2785

Rectangle

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



63.6654, 0.4137, 0.4017



63.6654, 0.3407, 0.4304



63.6654, 0.2187, 0.2499



63.6654, 0.2774, 0.2457

Sweetspot

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



63.6635, 0.4137, 0.4017



87.4823, 0.3377, 0.3503



40.2100, 0.3884, 0.2705



18.3722, 0.3416, 0.3534



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.



63.6635, 0.4137, 0.4017



57.9833, 0.4394, 0.4141



93.1543, 0.3815, 0.4522



19.6715, 0.3280, 0.3423



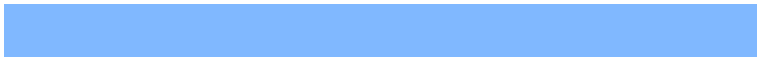
21.6048, 0.5238, 0.4223



2.3214, 0.5086, 0.4344

Inverse Universe

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



46.0964, 0.2304, 0.2409



38.5976, 0.2142, 0.2187



27.7585, 0.2208, 0.1719



18.6961, 0.2979, 0.3154



10.1667, 0.1718, 0.1383



1.2033, 0.1778, 0.1601

Previews

White Background



This preview shows how the Yxy color 63.6654, 0.4137, 0.4017 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 63.6654, 0.4137, 0.4017 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 63.6654, 0.4137, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 63.6654, 0.4137, 0.4017.



This preview shows how white text looks on a background with the Yxy color 63.6654, 0.4137, 0.4017.

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

63.6654, 0.4137, 0.4017

Protanopia

63.7609, 0.3835, 0.4147

Deuteranopia

63.7497, 0.4115, 0.4032



Tritanopia

63.8077, 0.3541, 0.3167

Trichromacy



Original Color

63.6654, 0.4137, 0.4017

Protanomaly

63.4785, 0.3943, 0.4091

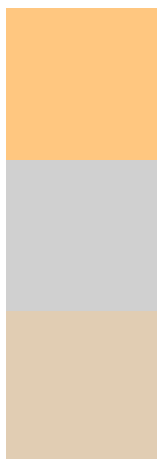
Deuteranomaly

63.9379, 0.4123, 0.4029

Tritanomaly

63.4645, 0.3766, 0.3480

Monochromacy



Original Color

63.6654, 0.4137, 0.4017

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

62.9249, 0.3476, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6654, 0.4137, 0.4017 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, 199, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 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, 199, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 128) }
```

Border

The CSS property to change the border of an element to Yxy 63.6654, 0.4137, 0.4017 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, 199, 128) }
```

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

```
.border{ border-color:rgb(255, 199, 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, 199, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 199, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 199, 128); box-shadow:4px 4px 4px 4px rgb(255, 199, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6654, 0.4137, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 128) }
```

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

```
.background{ background-color: rgb(255,  
199, 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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