

Converting Colors

$Y_{xy}(72.2757, 0.4497, 0.4067)$

Have a look what the booklet for
Yxy(72.2757, 0.4497, 0.4067)
contains.

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Color

Yxy(64.7160, 0.4217, 0.4173)

Conversions

Conversions Part 1

Format	Color
Hex	FFCA72
RGB	255, 202, 114
RGB Percent	100%, 79%, 45%
CMY	0.0000, 0.2078, 0.5529
CMYK	0.00, 0.21, 0.55, 0.00
HSL	37°, 100%, 72%
HSV	37°, 55%, 100%
XYZ	65.3984, 64.7160, 24.9683
YIQ	207.8150, 59.8360, -16.1320

Conversions

Conversions Part 2

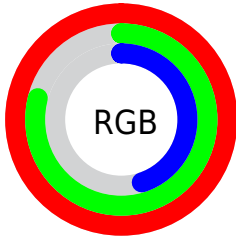
Format	Color
RYB	199, 255, 114
Decimal	16763506
CIELab	84.34, 8.93, 50.58
CIELCh	84, 51.360, 79.991
Yxy	64.7160, 0.4217, 0.4173
Android (android.graphics.Color)	4294953586 (0xFFFFCA72)
YUV	207.8150, -46.2508, 41.3812
Hunter-Lab	80.4463, 4.3297, 37.9104

Details

The Yxy color **64.7160, 0.4217, 0.4173** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.4393, 0.2190, 0.2169**, and the grayscale version is **63.2294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6072, 0.3643, 0.4143**, and **33.1408, 0.4447, 0.4335** is the 20% darker color. If you saturate the color by 10%, you get **59.8576, 0.4443, 0.4292**, and if you desaturate by 10%, it is **70.0219, 0.3990, 0.4027**.

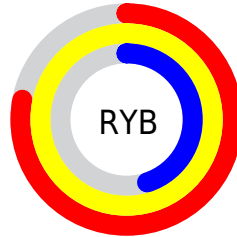
Distribution



Red (100%)

Green (79%)

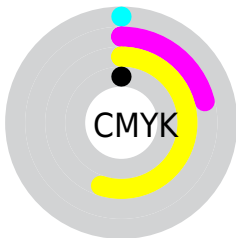
Blue (45%)



Red (78%)

Yellow (100%)

Blue (45%)

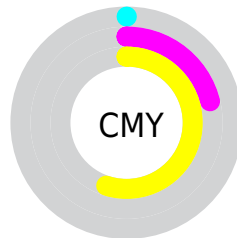


Cyan (0%)

Magenta (21%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7160, 0.4217, 0.4173 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 64.7160, 0.4217, 0.4173 by changing the saturation by 10% instead.


 64.7160, 0.4217,
0.4173


 64.7160, 0.4217,
0.4173

441.7707, 0.3718,
0.3787

 47.2308, 0.4324,
0.4251


 111.6415, 0.4048,
0.4047

 33.2182, 0.4452,
0.4339


 141.8505, 0.3981,
0.3995

 22.2936, 0.4603,
0.4439


 177.0697, 0.3923,
0.3949

 14.0728, 0.4782,
0.4547

217.6833, 0.3871,
0.3909

 8.1713, 0.4997,
0.4659

264.0759, 0.3826,
0.3874

 4.2048, 0.5248,
0.4752

316.6317, 0.3786,

 1.7888, 0.5368,

0.3841

0.4632

375.7352, 0.3750,
0.3813

0.4802, 0.5841,
0.4159

0.0000, 0.0000,
0.0000

64.7160, 0.4217,
0.4173

64.7160, 0.4217,
0.4173

59.8576, 0.4443,
0.4292

70.0219, 0.3990,
0.4027

55.4184, 0.4658,
0.4372


75.7831, 0.3771,
0.3865


51.3803, 0.4849,
0.4403

82.0184, 0.3566,
0.3698

47.7181, 0.5005,
0.4381

88.7427, 0.3379,
0.3532

 46.1076, 0.5070,
0.4356

 95.9700, 0.3209,
0.3371

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



64.7160, 0.4410, 0.3721



64.7160, 0.4217, 0.4173



64.7160, 0.3735, 0.4450

Triad

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



64.7160, 0.4217, 0.4173



64.7160, 0.2135, 0.3203



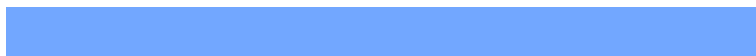
64.7160, 0.3030, 0.2455

Complementary

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



64.7160, 0.4217, 0.4173



38.4393, 0.2190, 0.2169

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.



64.7160, 0.2463, 0.2299



64.7160, 0.4217, 0.4173



64.7160, 0.1991, 0.2658

Square

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



64.7160, 0.4217, 0.4173



64.7160, 0.2533, 0.3871



64.7160, 0.2104, 0.2357



64.7160, 0.3689, 0.2785

Rectangle

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



64.7160, 0.4217, 0.4173



64.7160, 0.3327, 0.4442



64.7160, 0.2104, 0.2357



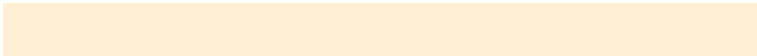
64.7160, 0.2823, 0.2382

Sweetspot

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



64.7191, 0.4217, 0.4173



87.5565, 0.3410, 0.3560



36.1276, 0.4127, 0.2744



18.4467, 0.3446, 0.3593



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.



64.7191, 0.4217, 0.4173



59.5280, 0.4459, 0.4299



91.0075, 0.3811, 0.4671



19.8760, 0.3279, 0.3438



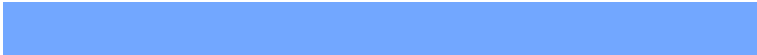
24.3889, 0.5052, 0.4371



2.5849, 0.4927, 0.4470

Inverse Universe

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



38.4393, 0.2190, 0.2169



31.0321, 0.2019, 0.1907



24.0409, 0.2153, 0.1552



18.4964, 0.2979, 0.3137



8.3928, 0.1664, 0.1189



1.0190, 0.1726, 0.1414

Previews

White Background



This preview shows how the Yxy color 64.7160, 0.4217, 0.4173 looks on a white background.

Color Contrast Check

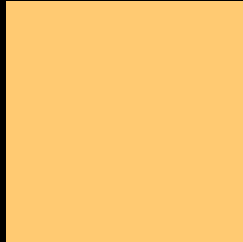
Large Text (above 18pt) WCAG AA × Fail

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 64.7160, 0.4217, 0.4173 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 64.7160, 0.4217, 0.4173

Background



This preview shows how black text looks on a background with the Yxy color 64.7160, 0.4217, 0.4173.



This preview shows how white text looks on a background with the Yxy color 64.7160, 0.4217, 0.4173.

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

64.7160, 0.4217, 0.4173

Protanopia

65.0287, 0.3958, 0.4305

Deuteranopia

64.4885, 0.4154, 0.4074



Tritanopia

64.7952, 0.3521, 0.3168

Trichromacy



Original Color

64.7160, 0.4217, 0.4173

Protanomaly

64.8980, 0.4046, 0.4260

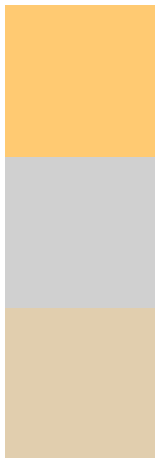
Deuteranomaly

64.3894, 0.4182, 0.4110

Tritanomaly

64.6653, 0.3789, 0.3553

Monochromacy



Original Color

64.7160, 0.4217, 0.4173

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.2062, 0.3512, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7160, 0.4217, 0.4173 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 114) }
```

Border

The CSS property to change the border of an element to Yxy 64.7160, 0.4217, 0.4173 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, 114) }
```

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

```
.border{ border-color:rgb(255, 202, 114) }
```

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, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7160, 0.4217, 0.4173 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, 114) }
```

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

```
.background{ background-color: rgb(255,  
202, 114) }
```

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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