

Converting Colors

$Y_{xy}(64.7511, 0.3866, 0.3745)$

Have a look what the booklet for
Yxy(64.7511, 0.3866, 0.3745)
contains.

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Color

Yxy(64.7511, 0.3866, 0.3745)

Conversions

Conversions Part 1

Format	Color
Hex	FBC99E
RGB	251, 201, 158
RGB Percent	98%, 79%, 62%
CMY	0.0156, 0.2118, 0.3805
CMYK	0.00, 0.20, 0.37, 0.02
HSL	28°, 92%, 80%
HSV	28°, 37%, 98%
XYZ	66.8432, 64.7511, 41.3058
YIQ	211.0480, 43.6030, -2.7730

Conversions

Conversions Part 2

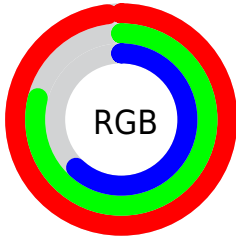
Format	Color
R _Y B	251, 238, 158
Decimal	16501150
CIE Lab	84.36, 12.08, 28.24
CIE LCh	84, 30.718, 66.852
Yxy	64.7511, 0.3866, 0.3745
Android (android.graphics.Color)	4294691230 (0xFFFB99E)
YUV	211.0480, -26.1527, 35.0379
Hunter-Lab	80.4681, 7.4572, 25.8929

Details

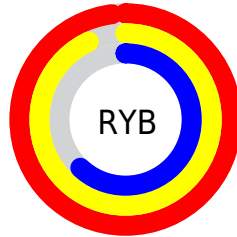
The Yxy color $64.7511, 0.3866, 0.3745$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $59.3312, 0.2535, 0.2782$, and the grayscale version is $65.3300, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.5841, 0.3376, 0.3701$, and $33.2455, 0.4050, 0.3844$ is the 20% darker color. If you saturate the color by 10%, you get $57.9599, 0.4128, 0.3866$, and if you desaturate by 10%, it is $72.2774, 0.3630, 0.3618$.

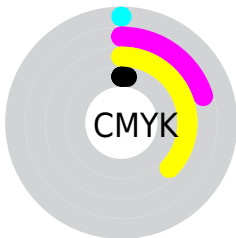
Distribution



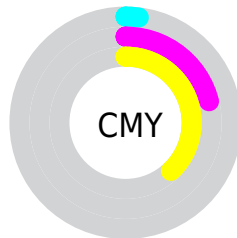
- Red (98%)
- Green (79%)
- Blue (62%)



- Red (98%)
- Yellow (93%)
- Blue (62%)



- Cyan (0%)
- Magenta (20%)
- Yellow (37%)
- Black (2%)





- Cyan (2%)
- Magenta (21%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7511, 0.3866, 0.3745 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 64.7511, 0.3866, 0.3745 by changing the saturation by 10% instead.


 64.7511, 0.3866,
0.3745


 64.7511, 0.3866,
0.3745


441.8970, 0.3516,
0.3541

 47.2593, 0.3947,
0.3789


 111.6919, 0.3744,
0.3676

 33.2407, 0.4047,
0.3842


 141.9098, 0.3696,
0.3649

 22.3109, 0.4174,
0.3906


177.1384, 0.3656,
0.3625

 14.0855, 0.4339,
0.3984

217.7621, 0.3620,
0.3604

 8.1802, 0.4559,
0.4078

264.1655, 0.3589,
0.3585

 4.2104, 0.4862,
0.4183

316.7328, 0.3562,

 1.7920, 0.5533,

0.3569

0.4467

375.8485, 0.3538,
0.3554

■ 0.4822, 0.6097,
0.3903

■ 0.0000, 0.0000,
0.0000

■ 64.7511, 0.3866,
0.3745

■ 64.7511, 0.3866,
0.3745

■ 57.9599, 0.4128,
0.3866

■ 72.2774, 0.3630,
0.3618

■ 51.8698, 0.4413,
0.3972

■ 80.5531, 0.3422,
0.3492

■ 46.4569, 0.4708,
0.4051

■ 89.6037, 0.3241,
0.3371

■ 41.6924, 0.4999,
0.4088

■ 99.2315, 0.3103,
0.3290

■ 37.5441, 0.5265,
0.4074

■ 99.2520, 0.3103,
0.3290

■ 33.9746, 0.5487,
0.4004

■ 33.0266, 0.5546,
0.3978

Harmonies

Analogous

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



64.7511, 0.3870, 0.3450



64.7511, 0.3866, 0.3745



64.7511, 0.3655, 0.3945

Triad

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



64.7511, 0.3866, 0.3745



64.7511, 0.2611, 0.3421



64.7511, 0.2912, 0.2703

Complementary

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



64.7511, 0.3866, 0.3745



59.3312, 0.2535, 0.2782

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.



64.7511, 0.2602, 0.2669



64.7511, 0.3866, 0.3745



64.7511, 0.2437, 0.3056

Square

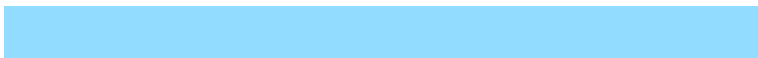
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.7511, 0.3866, 0.3745



64.7511, 0.2926, 0.3770



64.7511, 0.2434, 0.2788



64.7511, 0.3300, 0.2872

Rectangle

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



64.7511, 0.3866, 0.3745



64.7511, 0.3433, 0.3982



64.7511, 0.2434, 0.2788



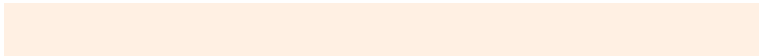
64.7511, 0.2796, 0.2676

Sweetspot

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



64.7541, 0.3866, 0.3745



89.0788, 0.3309, 0.3418



49.5639, 0.3535, 0.2758



18.7932, 0.3334, 0.3435



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.



64.7541, 0.3866, 0.3745



62.1314, 0.4046, 0.3830



89.1115, 0.3701, 0.4174



18.5484, 0.3282, 0.3400



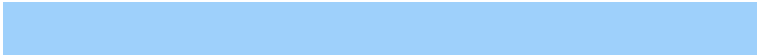
17.6424, 0.5519, 0.4000



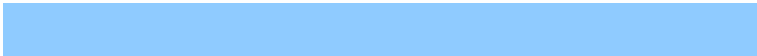
1.8436, 0.5321, 0.4157

Inverse Universe

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



59.3312, 0.2535, 0.2782



55.8026, 0.2424, 0.2667



40.2898, 0.2453, 0.2219



18.1884, 0.2980, 0.3177



13.0502, 0.1806, 0.1702



1.4209, 0.1863, 0.1906

Previews

White Background



This preview shows how the Yxy color 64.7511, 0.3866, 0.3745 looks on a white background.

Color Contrast Check

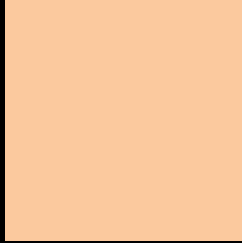
Large Text (above 18pt) WCAG AA × Fail

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 64.7511, 0.3866, 0.3745 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 64.7511, 0.3866, 0.3745

Background



This preview shows how black text looks on a background with the Yxy color 64.7511, 0.3866, 0.3745.



This preview shows how white text looks on a background with the Yxy color 64.7511, 0.3866, 0.3745.

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

64.7511, 0.3866, 0.3745

Protanopia

64.7094, 0.3591, 0.3833

Deuteranopia

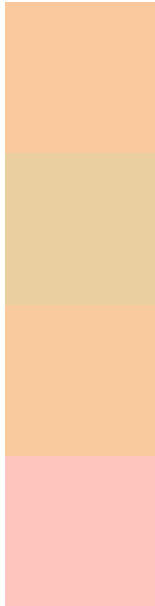
64.6661, 0.3837, 0.3759



Tritanopia

64.8937, 0.3505, 0.3147

Trichromacy



Original Color

64.7511, 0.3866, 0.3745

Protanomaly

64.6913, 0.3681, 0.3799

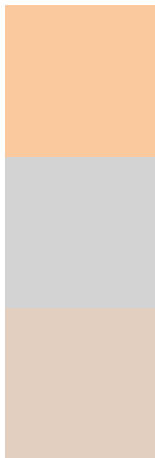
Deuteranomaly

64.8494, 0.3845, 0.3758

Tritanomaly

64.7210, 0.3646, 0.3364

Monochromacy



Original Color

64.7511, 0.3866, 0.3745

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

64.6002, 0.3383, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7511, 0.3866, 0.3745 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(251, 201, 158)` looks like.

```
.text, #text, p{  
    color:rgb(251, 201, 158)  
}
```

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(251, 201, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 201, 158) }
```

Border

The CSS property to change the border of an element to Yxy 64.7511, 0.3866, 0.3745 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(251, 201, 158) }
```

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

```
.border{ border-color:rgb(251, 201, 158) }
```

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

Here you see how a box with a 4 pixel rgb(251, 201, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 201, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 201, 158);  
box-shadow:4px 4px 4px 4px rgb(251, 201,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7511, 0.3866, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 201, 158) }
```

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

```
.background{ background-color: rgb(251,  
201, 158) }
```

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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