

Converting Colors

Yxy(68.4567, 0.4486, 0.4169)

Have a look what the booklet for
Yxy(68.4567, 0.4486, 0.4169)
contains.

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Color

Yxy(63.5478, 0.4301, 0.4248)

Conversions

Conversions Part 1

Format	Color
Hex	FFC867
RGB	255, 200, 103
RGB Percent	100%, 78%, 40%
CMY	0.0000, 0.2156, 0.5961
CMYK	0.00, 0.22, 0.60, 0.00
HSL	38°, 100%, 70%
HSV	38°, 60%, 100%
XYZ	64.3407, 63.5478, 21.7062
YIQ	205.3870, 63.9170, -18.5070

Conversions

Conversions Part 2

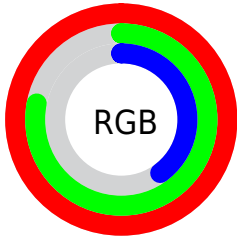
Format	Color
R_{YB}	189, 255, 103
Decimal	16762983
CIE Lab	83.73, 9.15, 55.11
CIE LCh	84, 55.868, 80.572
Yxy	63.5478, 0.4301, 0.4248
Android (android.graphics.Color)	4294953063 (0xFFFFC867)
YUV	205.3870, -50.4768, 43.5106
Hunter-Lab	79.7169, 4.5654, 39.6577

Details

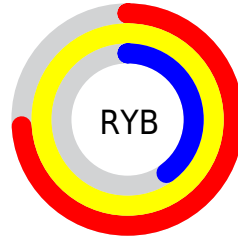
The Yxy color **63.5478, 0.4301, 0.4248** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **34.5515, 0.2112, 0.2035**, and the grayscale version is **61.6086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2143, 0.3706, 0.4247**, and **32.3989, 0.4548, 0.4414** is the 20% darker color. If you saturate the color by 10%, you get **58.9695, 0.4518, 0.4355**, and if you desaturate by 10%, it is **68.5462, 0.4078, 0.4109**.

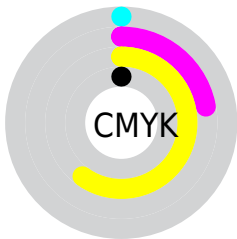
Distribution



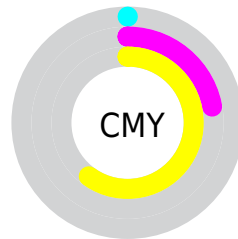
- Red (100%)
- Green (78%)
- Blue (40%)



- Red (74%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (22%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (22%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5478, 0.4301, 0.4248 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 63.5478, 0.4301, 0.4248 by changing the saturation by 10% instead.


 63.5478, 0.4301,
0.4248


 63.5478, 0.4301,
0.4248


437.5548, 0.3767,
0.3833


 46.2845, 0.4414,
0.4329


 109.9594, 0.4122,
0.4114


 32.4704, 0.4546,
0.4420


 139.8766, 0.4050,
0.4059

 21.7210, 0.4700,
0.4519


 174.7805, 0.3988,
0.4010

 13.6521, 0.4876,
0.4619

 215.0555, 0.3933,
0.3966

 7.8791, 0.5120,
0.4752

261.0860, 0.3884,
0.3928

 4.0177, 0.5263,
0.4737

313.2565, 0.3841,

 1.6835, 0.5390,

0.3893

0.4610

371.9513, 0.3802,
0.3862

0.4129, 0.5986,
0.4014

0.0000, 0.0000,
0.0000

63.5478, 0.4301,
0.4248

63.5478, 0.4301,
0.4248

58.9695, 0.4518,
0.4355

68.5462, 0.4078,
0.4109

54.7828, 0.4717,
0.4417

73.9726, 0.3859,
0.3950

50.9687, 0.4887,
0.4428

79.8460, 0.3650,
0.3781

47.4949, 0.5025,
0.4390

86.1810, 0.3456,
0.3610

47.3639, 0.5030,
0.4388

92.9915, 0.3280,
0.3443

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



63.5478, 0.4527, 0.3755



63.5478, 0.4301, 0.4248



63.5478, 0.3767, 0.4560

Triad

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



63.5478, 0.4301, 0.4248



63.5478, 0.2045, 0.3175



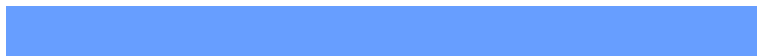
63.5478, 0.3031, 0.2394

Complementary

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



63.5478, 0.4301, 0.4248



34.5515, 0.2112, 0.2035

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.



63.5478, 0.2414, 0.2221



63.5478, 0.4301, 0.4248



63.5478, 0.1899, 0.2587

Square

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



63.5478, 0.4301, 0.4248



63.5478, 0.2466, 0.3916



63.5478, 0.2026, 0.2274



63.5478, 0.3753, 0.2750

Rectangle

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



63.5478, 0.4301, 0.4248



63.5478, 0.3323, 0.4557



63.5478, 0.2026, 0.2274



63.5478, 0.2805, 0.2313

Sweetspot

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



63.5509, 0.4301, 0.4248



87.2481, 0.3427, 0.3583



33.4532, 0.4283, 0.2739



18.2650, 0.3481, 0.3632



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.



63.5509, 0.4301, 0.4248



57.9358, 0.4567, 0.4374



90.1108, 0.3832, 0.4770



19.9206, 0.3278, 0.3441



25.0438, 0.5012, 0.4402



2.6460, 0.4894, 0.4496

Inverse Universe

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



34.5515, 0.2112, 0.2035



26.6995, 0.1923, 0.1727



21.1508, 0.2083, 0.1417



18.4534, 0.2979, 0.3134



8.0517, 0.1653, 0.1150



0.9826, 0.1715, 0.1375

Previews

White Background



This preview shows how the Yxy color 63.5478, 0.4301, 0.4248 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 63.5478, 0.4301, 0.4248 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 63.5478, 0.4301, 0.4248

Background



This preview shows how black text looks on a background with the Yxy color 63.5478, 0.4301, 0.4248.



This preview shows how white text looks on a background with the Yxy color 63.5478, 0.4301, 0.4248.

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

63.5478, 0.4301, 0.4248

Protanopia

63.6305, 0.4029, 0.4393

Deuteranopia

63.7384, 0.4243, 0.4172



Tritanopia

63.3189, 0.3551, 0.3167

Trichromacy



Original Color

63.5478, 0.4301, 0.4248

Protanomaly

63.6878, 0.4128, 0.4341

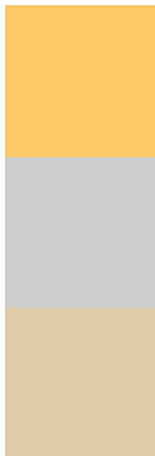
Deuteranomaly

63.6727, 0.4263, 0.4198

Tritanomaly

63.0802, 0.3849, 0.3585

Monochromacy



Original Color

63.5478, 0.4301, 0.4248

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.2270, 0.3549, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5478, 0.4301, 0.4248 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, 200, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 103)  
}
```

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, 200, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 103) }
```

Border

The CSS property to change the border of an element to Yxy 63.5478, 0.4301, 0.4248 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, 200, 103) }
```

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

```
.border{ border-color:rgb(255, 200, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5478, 0.4301, 0.4248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 103) }
```

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

```
.background{ background-color: rgb(255,  
200, 103) }
```

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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