

Converting Colors

$Yxy(66.9056, 0.4219, 0.3906)$

Have a look what the booklet for
Yxy(66.9056, 0.4219, 0.3906)
contains.

Yxy(63.8561, 0.4085, 0.3950)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(63.8561, 0.4085, 0.3950)

Conversions

Conversions Part 1

Format	Color
Hex	FFC787
RGB	255, 199, 135
RGB Percent	100%, 78%, 53%
CMY	0.0000, 0.2196, 0.4706
CMYK	0.00, 0.22, 0.47, 0.00
HSL	32°, 100%, 76%
HSV	32°, 47%, 100%
XYZ	66.0385, 63.8561, 31.7664
YIQ	208.4480, 53.9200, -8.0320

Conversions

Conversions Part 2

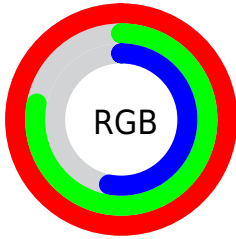
Format	Color
R_{YB}	240, 255, 135
Decimal	16762759
CIE _{Lab}	83.89, 12.29, 39.58
CIE _{LCh}	84, 41.441, 72.754
Yxy	63.8561, 0.4085, 0.3950
Android (android.graphics.Color)	4294952839 (0xFFFFC787)
YUV	208.4480, -36.2099, 40.8261
Hunter-Lab	79.9100, 7.6719, 32.3676

Details

The Yxy color **63.8561, 0.4085, 0.3950** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.6318, 0.2357, 0.2506**, and the grayscale version is **63.5968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4541, 0.3520, 0.3939**, and **32.6267, 0.4312, 0.4079** is the 20% darker color. If you saturate the color by 10%, you get **57.9599, 0.4344, 0.4073**, and if you desaturate by 10%, it is **70.3560, 0.3841, 0.3812**.

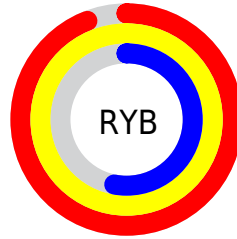
Distribution



Red (100%)

Green (78%)

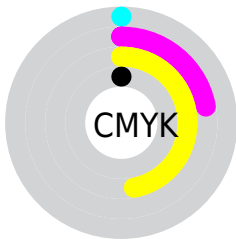
Blue (53%)



Red (94%)

Yellow (100%)

Blue (53%)

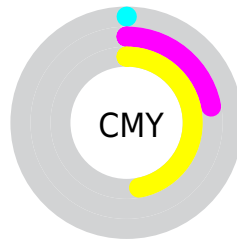


Cyan (0%)

Magenta (22%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8561, 0.4085, 0.3950 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 63.8561, 0.4085, 0.3950 by changing the saturation by 10% instead.


 63.8561, 0.4085,
0.3950


 63.8561, 0.4085,
0.3950


438.6698, 0.3636,
0.3658

 46.5341, 0.4186,
0.4011

 110.4037, 0.3930,
0.3853

 32.6675, 0.4310,
0.4082


 140.3981, 0.3869,
0.3814

 21.8719, 0.4462,
0.4164


 175.3854, 0.3817,
0.3780

 13.7628, 0.4654,
0.4259

215.7500, 0.3771,
0.3750

 7.9559, 0.4894,
0.4359

261.8764, 0.3731,
0.3723

 4.0667, 0.5322,
0.4552

314.1489, 0.3696,

 1.7110, 0.5554,

0.3699

0.4446

372.9519, 0.3664,
0.3677

0.4307, 0.6222,
0.3778

0.0000, 0.0000,
0.0000

63.8561, 0.4085,
0.3950

63.8561, 0.4085,
0.3950

57.9599, 0.4344,
0.4073

70.3560, 0.3841,
0.3812

52.6399, 0.4608,
0.4167

77.4751, 0.3618,
0.3667

47.8736, 0.4863,
0.4220

85.2344, 0.3417,
0.3523

43.6340, 0.5093,
0.4221

93.6524, 0.3239,
0.3384

■ 39.8888, 0.5285,
0.4167

100.0000, 0.3127,
0.3290

■ 38.8700, 0.5336,
0.4145

Harmonies

Analogous

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



63.8561, 0.4160, 0.3566



63.8561, 0.4085, 0.3950



63.8561, 0.3746, 0.4203

Triad

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



63.8561, 0.4085, 0.3950



63.8561, 0.2374, 0.3357



63.8561, 0.2929, 0.2549

Complementary

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



63.8561, 0.4085, 0.3950



49.6318, 0.2357, 0.2506

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.



63.8561, 0.2492, 0.2462



63.8561, 0.4085, 0.3950



63.8561, 0.2194, 0.2876

Square

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



63.8561, 0.4085, 0.3950



63.8561, 0.2755, 0.3870



63.8561, 0.2236, 0.2566



63.8561, 0.3460, 0.2796

Rectangle

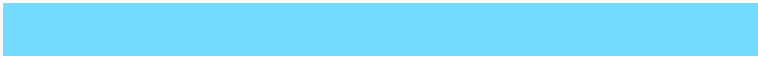
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.8561, 0.4085, 0.3950



63.8561, 0.3427, 0.4233



63.8561, 0.2236, 0.2566



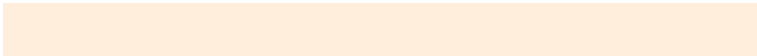
63.8561, 0.2767, 0.2500

Sweetspot

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



63.8579, 0.4085, 0.3950



87.7380, 0.3360, 0.3479



42.3500, 0.3802, 0.2715



18.4001, 0.3400, 0.3510



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.



63.8579, 0.4085, 0.3950



58.5562, 0.4316, 0.4061



93.7786, 0.3796, 0.4455



19.5915, 0.3281, 0.3417



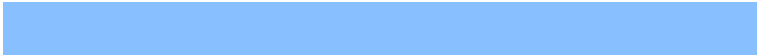
20.6125, 0.5313, 0.4164



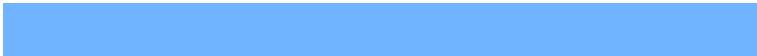
2.2258, 0.5150, 0.4293

Inverse Universe

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



49.6318, 0.2357, 0.2506



42.8526, 0.2215, 0.2324



30.0375, 0.2253, 0.1811



18.7752, 0.2979, 0.3160



10.9583, 0.1740, 0.1464



1.2832, 0.1800, 0.1678

Previews

White Background



This preview shows how the Yxy color 63.8561, 0.4085, 0.3950 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 63.8561, 0.4085, 0.3950 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 63.8561, 0.4085, 0.3950

Background



This preview shows how black text looks on a background with the Yxy color 63.8561, 0.4085, 0.3950.



This preview shows how white text looks on a background with the Yxy color 63.8561, 0.4085, 0.3950.

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

63.8561, 0.4085, 0.3950

Protanopia

63.7959, 0.3777, 0.4075

Deuteranopia

63.7533, 0.4055, 0.3967



Tritanopia

63.8077, 0.3541, 0.3167

Trichromacy



Original Color

63.8561, 0.4085, 0.3950

Protanomaly

63.5021, 0.3885, 0.4021

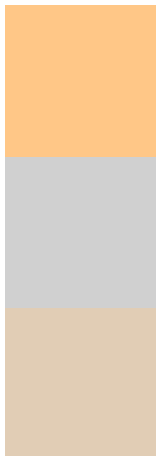
Deuteranomaly

63.9405, 0.4063, 0.3964

Tritanomaly

63.5855, 0.3742, 0.3448

Monochromacy



Original Color

63.8561, 0.4085, 0.3950

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.0064, 0.3461, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8561, 0.4085, 0.3950 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 135) }
```

Border

The CSS property to change the border of an element to Yxy 63.8561, 0.4085, 0.3950 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, 135) }
```

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

```
.border{ border-color:rgb(255, 199, 135) }
```

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, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8561, 0.4085, 0.3950 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, 135) }
```

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

```
.background{ background-color: rgb(255,  
199, 135) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor