

Converting Colors

$Y_{xy}(100.0000, 0.4782, 0.3603)$

Have a look what the booklet for
Yxy(100.0000, 0.4782, 0.3603)
contains.

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Color

Yxy(67.3913, 0.3883, 0.3779)

Conversions

Conversions Part 1

Format	Color
Hex	FFCD9E
RGB	255, 205, 158
RGB Percent	100%, 80%, 62%
CMY	0.0000, 0.1961, 0.3805
CMYK	0.00, 0.20, 0.38, 0.00
HSL	29°, 100%, 81%
HSV	29°, 38%, 100%
XYZ	69.2459, 67.3913, 41.6938
YIQ	214.5920, 44.8870, -4.0170

Conversions

Conversions Part 2

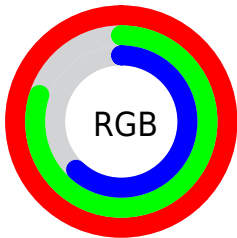
Format	Color
R _Y B	255, 249, 158
Decimal	16764318
CIE Lab	85.70, 11.54, 30.11
CIE LCh	86, 32.248, 69.034
Yxy	67.3913, 0.3883, 0.3779
Android (android.graphics.Color)	4294954398 (0xFFFFCD9E)
YUV	214.5920, -27.8999, 35.4378
Hunter-Lab	82.0922, 6.9059, 27.3518

Details

The Yxy color **67.3913, 0.3883, 0.3779** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.5854, 0.2515, 0.2739**, and the grayscale version is **67.8319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **35.0441, 0.4068, 0.3885** is the 20% darker color. If you saturate the color by 10%, you get **60.5772, 0.4142, 0.3905**, and if you desaturate by 10%, it is **74.9152, 0.3648, 0.3647**.

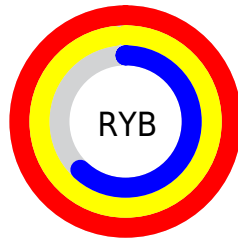
Distribution



Red (100%)

Green (80%)

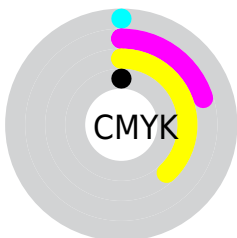
Blue (62%)



Red (100%)

Yellow (98%)

Blue (62%)

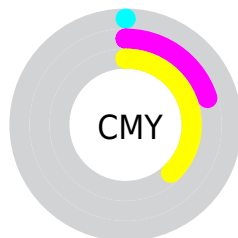


Cyan (0%)

Magenta (20%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3913, 0.3883, 0.3779 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 67.3913, 0.3883, 0.3779 by changing the saturation by 10% instead.


 67.3913, 0.3883,
0.3779

 67.3913, 0.3883,
0.3779


451.3363, 0.3528,
0.3561

 49.4027, 0.3964,
0.3826


 115.4809, 0.3760,
0.3706

 34.9390, 0.4064,
0.3882


 146.3507, 0.3712,
0.3676

 23.6159, 0.4190,
0.3949


182.2831, 0.3670,
0.3651

 15.0489, 0.4352,
0.4031

223.6623, 0.3634,
0.3628

 8.8537, 0.4566,
0.4129

270.8729, 0.3603,
0.3609

 4.6459, 0.4855,
0.4239

324.2991, 0.3575,

 2.0410, 0.5480,

0.3591

0.4520

384.3255, 0.3550,
0.3575

0.6312, 0.5829,
0.4171

0.0000, 0.0000,
0.0000

67.3913, 0.3883,
0.3779

67.3913, 0.3883,
0.3779

60.5772, 0.4142,
0.3905

74.9152, 0.3648,
0.3647

54.4492, 0.4420,
0.4014

83.1723, 0.3440,
0.3515

48.9811, 0.4706,
0.4094

92.1842, 0.3257,
0.3387

44.1446, 0.4984,
0.4131

100.0000, 0.3127,
0.3290

■ 39.9080, 0.5235,
0.4116

■ 36.2330, 0.5444,
0.4046

■ 35.5738, 0.5482,
0.4029

Harmonies

Analogous

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



67.3913, 0.3905, 0.3478



67.3913, 0.3883, 0.3779



67.3913, 0.3650, 0.3977

Triad

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



67.3913, 0.3883, 0.3779



67.3913, 0.2575, 0.3397



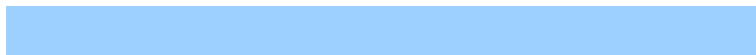
67.3913, 0.2931, 0.2692

Complementary

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



67.3913, 0.3883, 0.3779



59.5854, 0.2515, 0.2739

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.



67.3913, 0.2602, 0.2645



67.3913, 0.3883, 0.3779



67.3913, 0.2407, 0.3022

Square

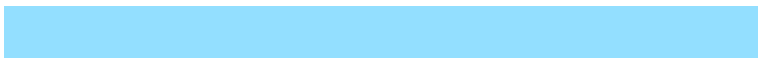
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.3913, 0.3883, 0.3779



67.3913, 0.2891, 0.3766



67.3913, 0.2418, 0.2756



67.3913, 0.3335, 0.2875

Rectangle

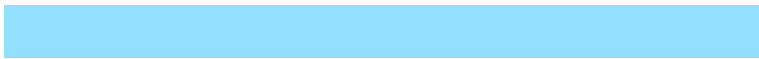
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.3913, 0.3883, 0.3779



67.3913, 0.3415, 0.4007



67.3913, 0.2418, 0.2756



67.3913, 0.2809, 0.2660

Sweetspot

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



67.3911, 0.3883, 0.3779



89.4451, 0.3308, 0.3424



50.2644, 0.3580, 0.2775



18.8804, 0.3333, 0.3441



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.



67.3911, 0.3883, 0.3779



61.9167, 0.4087, 0.3880



94.2203, 0.3706, 0.4224



19.4402, 0.3282, 0.3405



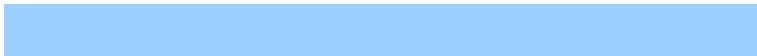
18.8842, 0.5456, 0.4050



2.0563, 0.5274, 0.4194

Inverse Universe

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



59.5854, 0.2515, 0.2739



53.0530, 0.2387, 0.2600



39.4870, 0.2426, 0.2146



18.9260, 0.2979, 0.3172



12.6121, 0.1785, 0.1625



1.4468, 0.1841, 0.1827

Previews

White Background



This preview shows how the Yxy color 67.3913, 0.3883, 0.3779 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 67.3913, 0.3883, 0.3779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

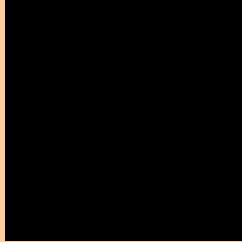
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.3913, 0.3883, 0.3779

Background



This preview shows how black text looks on a background with the Yxy color 67.3913, 0.3883, 0.3779.



This preview shows how white text looks on a background with the Yxy color 67.3913, 0.3883, 0.3779.

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

67.3913, 0.3883, 0.3779

Protanopia

67.5248, 0.3620, 0.3867

Deuteranopia

67.6821, 0.3871, 0.3790



Tritanopia

67.3726, 0.3464, 0.3158

Trichromacy



Original Color

67.3913, 0.3883, 0.3779

Protanomaly

67.5125, 0.3709, 0.3833

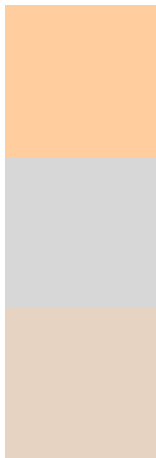
Deuteranomaly

67.6821, 0.3871, 0.3790

Tritanomaly

67.3513, 0.3617, 0.3385

Monochromacy



Original Color

67.3913, 0.3883, 0.3779

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

67.3066, 0.3393, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3913, 0.3883, 0.3779 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, 205, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 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(255, 205, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 158) }
```

Border

The CSS property to change the border of an element to Yxy 67.3913, 0.3883, 0.3779 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, 205, 158) }
```

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

```
.border{ border-color:rgb(255, 205, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3913, 0.3883, 0.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 158) }
```

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

```
.background{ background-color: rgb(255,  
205, 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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