

Converting Colors

$Y_{xy}(78.7787, 0.4296, 0.3642)$

Have a look what the booklet for
Yxy(78.7787, 0.4296, 0.3642)
contains.

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Color

Yxy(66.5805, 0.3859, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	FFCBA2
RGB	255, 203, 162
RGB Percent	100%, 80%, 64%
CMY	0.0002, 0.2038, 0.3647
CMYK	0.00, 0.20, 0.36, 0.00
HSL	26°, 100%, 82%
HSV	26°, 36%, 100%
XYZ	69.1055, 66.5805, 43.3901
YIQ	213.8740, 44.1530, -1.7270

Conversions

Conversions Part 2

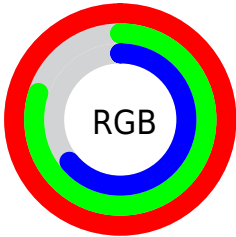
Format	Color
R _Y B	255, 235, 162
Decimal	16763810
CIE Lab	85.29, 13.00, 27.46
CIE LCh	85, 30.385, 64.670
Yxy	66.5805, 0.3859, 0.3718
Android (android.graphics.Color)	4294953890 (0xFFFFCBA2)
YUV	213.8740, -25.5739, 36.0675
Hunter-Lab	81.5969, 8.3795, 25.5896

Details

The Yxy color **66.5805, 0.3859, 0.3718** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.9569, 0.2547, 0.2815**, and the grayscale version is **67.3088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **34.4910, 0.4040, 0.3809** is the 20% darker color. If you saturate the color by 10%, you get **59.3445, 0.4126, 0.3834**, and if you desaturate by 10%, it is **74.6247, 0.3621, 0.3597**.

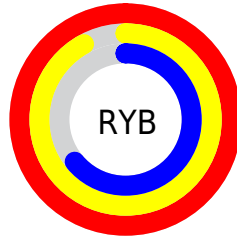
Distribution



Red (100%)

Green (80%)

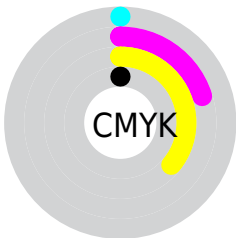
Blue (64%)



Red (100%)

Yellow (92%)

Blue (64%)

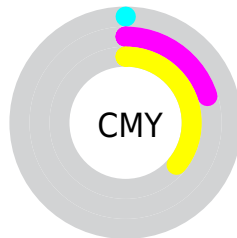


Cyan (0%)

Magenta (20%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5805, 0.3859, 0.3718 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 66.5805, 0.3859, 0.3718 by changing the saturation by 10% instead.


 66.5805, 0.3859,
0.3718


 66.5805, 0.3859,
0.3718


448.4501, 0.3514,
0.3527

 48.7438, 0.3939,
0.3759


 114.3191, 0.3738,
0.3654

 34.4163, 0.4037,
0.3808


 144.9898, 0.3692,
0.3628

 23.2136, 0.4162,
0.3867


180.7073, 0.3652,
0.3606

 14.7513, 0.4323,
0.3938

221.8559, 0.3617,
0.3586

 8.6450, 0.4540,
0.4024

268.8201, 0.3586,
0.3569

 4.5104, 0.4839,
0.4121

321.9843, 0.3559,

 1.9630, 0.5561,

0.3554

0.4439

381.7328, 0.3535,
0.3540

0.5858, 0.5989,
0.4011

0.0000, 0.0000,
0.0000

66.5805, 0.3859,
0.3718

66.5805, 0.3859,
0.3718

59.3445, 0.4126,
0.3834

74.6247, 0.3621,
0.3597

52.8796, 0.4417,
0.3936

83.4939, 0.3412,
0.3476

47.1592, 0.4722,
0.4012

93.2160, 0.3231,
0.3361

42.1513, 0.5025,
0.4048

99.9918, 0.3127,
0.3290

■ 37.8203, 0.5304,
0.4032

■ 34.1256, 0.5536,
0.3961

■ 32.9553, 0.5610,
0.3927

Harmonies

Analogous

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



66.5805, 0.3847, 0.3425



66.5805, 0.3859, 0.3718



66.5805, 0.3665, 0.3923

Triad

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



66.5805, 0.3859, 0.3718



66.5805, 0.2640, 0.3446



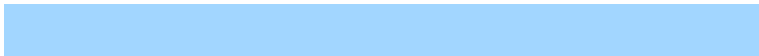
66.5805, 0.2891, 0.2707

Complementary

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



66.5805, 0.3859, 0.3718



62.9569, 0.2547, 0.2815

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.



66.5805, 0.2595, 0.2684



66.5805, 0.3859, 0.3718



66.5805, 0.2457, 0.3085

Square

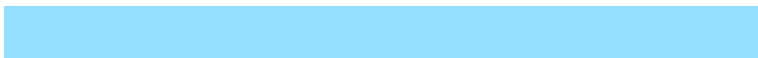
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.5805, 0.3859, 0.3718



66.5805, 0.2957, 0.3780



66.5805, 0.2441, 0.2812



66.5805, 0.3269, 0.2864

Rectangle

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



66.5805, 0.3859, 0.3718



66.5805, 0.3453, 0.3969



66.5805, 0.2441, 0.2812



66.5805, 0.2779, 0.2683

Sweetspot

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



66.5836, 0.3859, 0.3718



88.7293, 0.3310, 0.3412



51.9817, 0.3512, 0.2751



18.7100, 0.3334, 0.3428



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.



66.5836, 0.3859, 0.3718



61.0759, 0.4058, 0.3807



91.4631, 0.3697, 0.4147



19.3064, 0.3283, 0.3395



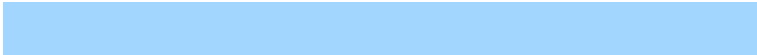
17.5125, 0.5582, 0.3950



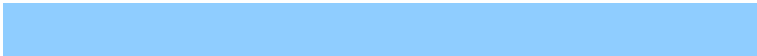
1.9185, 0.5386, 0.4106

Inverse Universe

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



62.9569, 0.2547, 0.2815



56.9357, 0.2429, 0.2697



42.9762, 0.2468, 0.2258



19.0612, 0.2979, 0.3182



14.2558, 0.1826, 0.1774



1.6059, 0.1878, 0.1962

Previews

White Background



This preview shows how the Yxy color 66.5805, 0.3859, 0.3718 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 66.5805, 0.3859, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

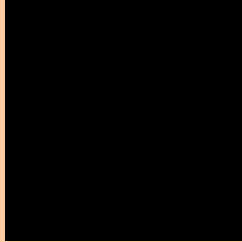
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.5805, 0.3859, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 66.5805, 0.3859, 0.3718.



This preview shows how white text looks on a background with the Yxy color 66.5805, 0.3859, 0.3718.

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

66.5805, 0.3859, 0.3718

Protanopia

66.7094, 0.3562, 0.3805

Deuteranopia

66.7805, 0.3819, 0.3743



Tritanopia

66.4016, 0.3475, 0.3148

Trichromacy



Original Color

66.5805, 0.3859, 0.3718

Protanomaly

66.3221, 0.3669, 0.3772

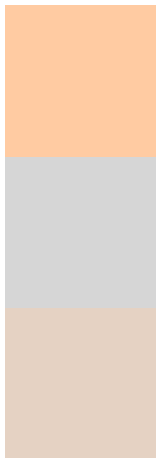
Deuteranomaly

66.4898, 0.3831, 0.3732

Tritanomaly

66.4636, 0.3614, 0.3354

Monochromacy



Original Color

66.5805, 0.3859, 0.3718

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.6913, 0.3379, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5805, 0.3859, 0.3718 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, 203, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 162)  
}
```

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, 203, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 162) }
```

Border

The CSS property to change the border of an element to Yxy 66.5805, 0.3859, 0.3718 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, 203, 162) }
```

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

```
.border{ border-color:rgb(255, 203, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5805, 0.3859, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 162) }
```

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

```
.background{ background-color: rgb(255,  
203, 162) }
```

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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