

Converting Colors

$Yxy(71.4544, 0.3917, 0.3702)$

Have a look what the booklet for
Yxy(71.4544, 0.3917, 0.3702)
contains.

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Color

Yxy(68.6388, 0.3814, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	FFCFA6
RGB	255, 207, 166
RGB Percent	100%, 81%, 65%
CMY	0.0000, 0.1883, 0.3489
CMYK	0.00, 0.19, 0.35, 0.00
HSL	28°, 100%, 83%
HSV	28°, 35%, 100%
XYZ	70.4490, 68.6388, 45.6237
YIQ	216.6780, 41.7690, -2.5750

Conversions

Conversions Part 2

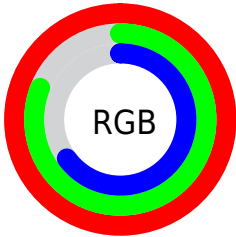
Format	Color
RYB	255, 242, 166
Decimal	16764838
CIELab	86.32, 11.44, 26.76
CIElCh	86, 29.105, 66.852
Yxy	68.6388, 0.3814, 0.3716
Android (android.graphics.Color)	4294954918 (0xFFFFCFA6)
YUV	216.6780, -24.9843, 33.6084
Hunter-Lab	82.8485, 6.7998, 25.3436

Details

The Yxy color **68.6388, 0.3814, 0.3716** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.4423, 0.2570, 0.2819**, and the grayscale version is **69.3050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **35.8677, 0.3976, 0.3808** is the 20% darker color. If you saturate the color by 10%, you get **61.4098, 0.4071, 0.3839**, and if you desaturate by 10%, it is **76.6250, 0.3583, 0.3589**.

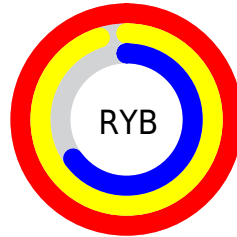
Distribution



Red (100%)

Green (81%)

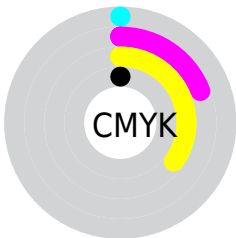
Blue (65%)



Red (100%)

Yellow (95%)

Blue (65%)

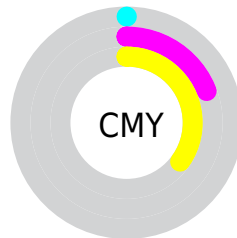


Cyan (0%)

Magenta (19%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6388, 0.3814, 0.3716 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 68.6388, 0.3814, 0.3716 by changing the saturation by 10% instead.

 68.6388, 0.3814,
0.3716

 68.6388, 0.3814,
0.3716


455.7560, 0.3492,
0.3526

 50.4176, 0.3888,
0.3757


 117.2655, 0.3702,
0.3652

 35.7453, 0.3979,
0.3806


 148.4398, 0.3658,
0.3626

 24.2376, 0.4094,
0.3866


184.7007, 0.3621,
0.3604

 15.5099, 0.4244,
0.3940

226.4324, 0.3588,
0.3585

 9.1781, 0.4443,
0.4030

274.0194, 0.3560,
0.3567

 4.8575, 0.4719,
0.4137

327.8460, 0.3534,

 2.1639, 0.5355,

0.3552

0.4446

388.2968, 0.3512,
0.3538

0.7002, 0.5754,
0.4246

0.0000, 0.0000,
0.0000

68.6388, 0.3814,
0.3716

68.6388, 0.3814,
0.3716

61.4098, 0.4071,
0.3839

76.6250, 0.3583,
0.3589

54.9264, 0.4353,
0.3948

85.4069, 0.3381,
0.3465

49.1563, 0.4648,
0.4033

95.0028, 0.3205,
0.3346

44.0698, 0.4943,
0.4080

100.0000, 0.3127,
0.3290

■ 39.6340, 0.5217,
0.4077

■ 35.8116, 0.5450,
0.4018

■ 34.0754, 0.5554,
0.3972

Harmonies

Analogous

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



68.6388, 0.3817, 0.3442



68.6388, 0.3814, 0.3716



68.6388, 0.3619, 0.3899

Triad

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



68.6388, 0.3814, 0.3716



68.6388, 0.2647, 0.3413



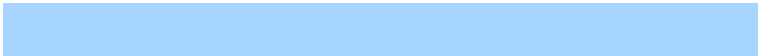
68.6388, 0.2928, 0.2742

Complementary

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



68.6388, 0.3814, 0.3716



63.4423, 0.2570, 0.2819

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.



68.6388, 0.2638, 0.2710



68.6388, 0.3814, 0.3716



68.6388, 0.2483, 0.3074

Square

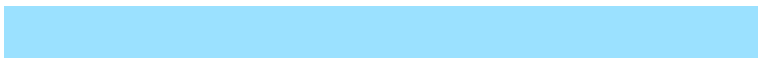
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6388, 0.3814, 0.3716



68.6388, 0.2941, 0.3734



68.6388, 0.2480, 0.2824



68.6388, 0.3289, 0.2899

Rectangle

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



68.6388, 0.3814, 0.3716



68.6388, 0.3413, 0.3932



68.6388, 0.2480, 0.2824



68.6388, 0.2819, 0.2716

Sweetspot

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



68.6341, 0.3814, 0.3716



89.9977, 0.3291, 0.3406



53.4463, 0.3504, 0.2789



18.9766, 0.3316, 0.3422



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.



68.6341, 0.3814, 0.3716



63.4215, 0.3994, 0.3804



92.7285, 0.3668, 0.4124



19.3651, 0.3283, 0.3400



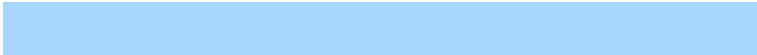
18.0961, 0.5527, 0.3994



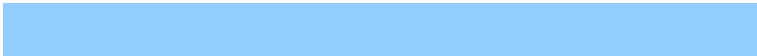
1.9776, 0.5336, 0.4145

Inverse Universe

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



63.4423, 0.2570, 0.2819



57.5016, 0.2456, 0.2703



44.2577, 0.2498, 0.2292



19.0017, 0.2979, 0.3178



13.5133, 0.1808, 0.1708



1.5344, 0.1862, 0.1902

Previews

White Background



This preview shows how the Yxy color 68.6388, 0.3814, 0.3716 looks on a white background.

Color Contrast Check

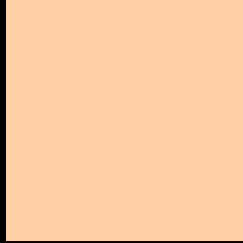
Large Text (above 18pt) WCAG AA × Fail

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 68.6388, 0.3814, 0.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

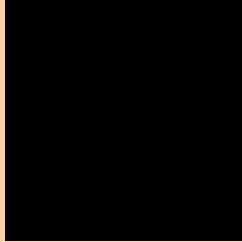
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6388, 0.3814, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 68.6388, 0.3814, 0.3716.



This preview shows how white text looks on a background with the Yxy color 68.6388, 0.3814, 0.3716.

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

68.6388, 0.3814, 0.3716

Protanopia

68.8370, 0.3557, 0.3799

Deuteranopia

68.4497, 0.3806, 0.3718



Tritanopia

68.4589, 0.3438, 0.3148

Trichromacy



Original Color

68.6388, 0.3814, 0.3716

Protanomaly

68.8038, 0.3643, 0.3767

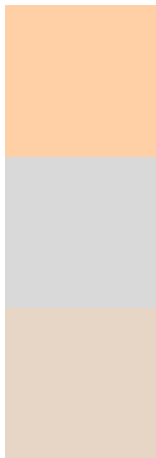
Deuteranomaly

68.4497, 0.3806, 0.3718

Tritanomaly

68.5229, 0.3574, 0.3353

Monochromacy



Original Color

68.6388, 0.3814, 0.3716

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.6546, 0.3368, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6388, 0.3814, 0.3716 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, 207, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 166)  
}
```

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, 207, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 166) }
```

Border

The CSS property to change the border of an element to Yxy 68.6388, 0.3814, 0.3716 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, 207, 166) }
```

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

```
.border{ border-color:rgb(255, 207, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6388, 0.3814, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 166) }
```

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

```
.background{ background-color: rgb(255,  
207, 166) }
```

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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