

Converting Colors

$Y_{xy}(100.0000, 0.4706, 0.3607)$

Have a look what the booklet for
Yxy(100.0000, 0.4706, 0.3607)
contains.

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Color

Yxy(68.9804, 0.3841, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	FFD0A2
RGB	255, 208, 162
RGB Percent	100%, 82%, 64%
CMY	0.0000, 0.1843, 0.3649
CMYK	0.00, 0.18, 0.36, 0.00
HSL	30°, 100%, 82%
HSV	30°, 36%, 100%
XYZ	70.3168, 68.9804, 43.7718
YIQ	216.8090, 42.7780, -4.3420

Conversions

Conversions Part 2

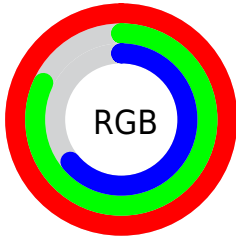
Format	Color
R _Y B	255, 253, 162
Decimal	16765090
CIE Lab	86.49, 10.43, 29.11
CIE LCh	86, 30.918, 70.290
Yxy	68.9804, 0.3841, 0.3768
Android (android.graphics.Color)	4294955170 (0xFFFFD0A2)
YUV	216.8090, -27.0208, 33.4935
Hunter-Lab	83.0544, 5.7791, 26.8908

Details

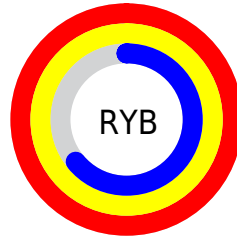
The Yxy color **68.9804, 0.3841, 0.3768** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.4760, 0.2538, 0.2755**, and the grayscale version is **69.4156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **36.1073, 0.4010, 0.3872** is the 20% darker color. If you saturate the color by 10%, you get **62.1376, 0.4094, 0.3898**, and if you desaturate by 10%, it is **76.5205, 0.3612, 0.3633**.

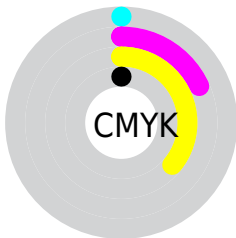
Distribution



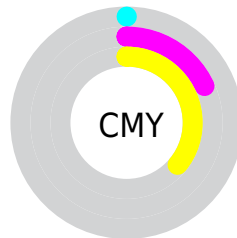
- Red (100%)
- Green (82%)
- Blue (64%)



- Red (100%)
- Yellow (99%)
- Blue (64%)



- Cyan (0%)
- Magenta (18%)
- Yellow (36%)
- Black (0%)




- Cyan (0%)
- Magenta (18%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9804, 0.3841, 0.3768 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 68.9804, 0.3841, 0.3768 by changing the saturation by 10% instead.

 68.9804, 0.3841,
0.3768


 68.9804, 0.3841,
0.3768


456.9618, 0.3507,
0.3554

 50.6957, 0.3917,
0.3814


 117.7536, 0.3725,
0.3696

 35.9665, 0.4011,
0.3869

 149.0109, 0.3680,
0.3667

 24.4083, 0.4129,
0.3936


185.3612, 0.3641,
0.3642

 15.6368, 0.4280,
0.4018

227.1890, 0.3607,
0.3620

 9.2675, 0.4481,
0.4119

274.8785, 0.3578,
0.3601

 4.9161, 0.4754,
0.4236

328.8142, 0.3552,

 2.1981, 0.5411,

0.3584

0.4589

389.3805, 0.3528,
0.3568

0.7190, 0.5670,
0.4330

0.0000, 0.0000,
0.0000

68.9804, 0.3841,
0.3768

68.9804, 0.3841,
0.3768

62.1376, 0.4094,
0.3898

76.5205, 0.3612,
0.3633

55.9637, 0.4365,
0.4013

84.7747, 0.3409,
0.3499

50.4357, 0.4647,
0.4100

93.7655, 0.3231,
0.3370

45.5264, 0.4922,
0.4148

100.0000, 0.3127,
0.3290

■ 41.2057, 0.5174,
0.4144

■ 37.4389, 0.5384,
0.4083

■ 36.2330, 0.5451,
0.4054

Harmonies

Analogous

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



68.9804, 0.3870, 0.3484



68.9804, 0.3841, 0.3768



68.9804, 0.3613, 0.3948

Triad

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



68.9804, 0.3841, 0.3768



68.9804, 0.2591, 0.3377



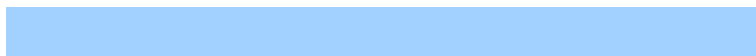
68.9804, 0.2957, 0.2724

Complementary

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



68.9804, 0.3841, 0.3768



60.4760, 0.2538, 0.2755

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.



68.9804, 0.2638, 0.2674



68.9804, 0.3841, 0.3768



68.9804, 0.2437, 0.3023

Square

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



68.9804, 0.3841, 0.3768



68.9804, 0.2889, 0.3729



68.9804, 0.2454, 0.2774



68.9804, 0.3342, 0.2903

Rectangle

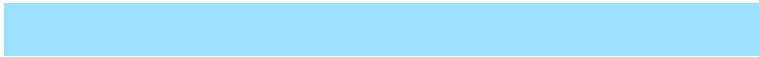
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.9804, 0.3841, 0.3768



68.9804, 0.3387, 0.3969



68.9804, 0.2454, 0.2774



68.9804, 0.2839, 0.2692

Sweetspot

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



68.9821, 0.3841, 0.3768



89.6145, 0.3308, 0.3427



51.7416, 0.3555, 0.2796



18.9207, 0.3332, 0.3445



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.



68.9821, 0.3841, 0.3768



63.7755, 0.4029, 0.3867



94.4019, 0.3683, 0.4188



19.4719, 0.3282, 0.3408



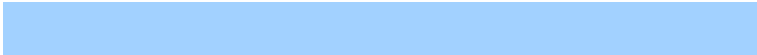
19.2304, 0.5426, 0.4074



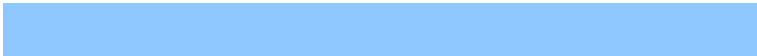
2.0906, 0.5248, 0.4215

Inverse Universe

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



60.4760, 0.2538, 0.2755



54.1061, 0.2416, 0.2621



41.2737, 0.2460, 0.2201



18.8943, 0.2979, 0.3169



12.2482, 0.1775, 0.1591



1.4111, 0.1832, 0.1795

Previews

White Background



This preview shows how the Yxy color 68.9804, 0.3841, 0.3768 looks on a white background.

Color Contrast Check

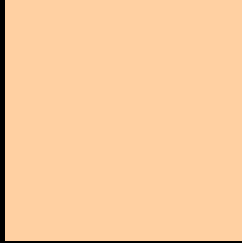
Large Text (above 18pt) WCAG AA × Fail

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 68.9804, 0.3841, 0.3768 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 68.9804, 0.3841, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 68.9804, 0.3841, 0.3768.



This preview shows how white text looks on a background with the Yxy color 68.9804, 0.3841, 0.3768.

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

68.9804, 0.3841, 0.3768

Protanopia

69.0207, 0.3601, 0.3840

Deuteranopia

69.0161, 0.3833, 0.3757



Tritanopia

68.9297, 0.3436, 0.3158

Trichromacy



Original Color

68.9804, 0.3841, 0.3768

Protanomaly

68.8304, 0.3681, 0.3809

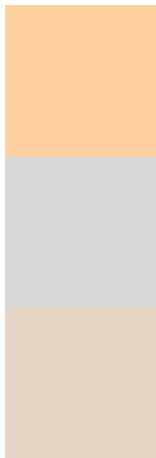
Deuteranomaly

69.0161, 0.3833, 0.3757

Tritanomaly

68.9082, 0.3587, 0.3384

Monochromacy



Original Color

68.9804, 0.3841, 0.3768

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.1133, 0.3374, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9804, 0.3841, 0.3768 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, 208, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 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, 208, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 162) }
```

Border

The CSS property to change the border of an element to Yxy 68.9804, 0.3841, 0.3768 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, 208, 162) }
```

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

```
.border{ border-color:rgb(255, 208, 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, 208, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9804, 0.3841, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 162) }
```

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

```
.background{ background-color: rgb(255,  
208, 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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