

Converting Colors

$Yxy(71.5108, 0.4306, 0.3847)$

Have a look what the booklet for
Yxy(71.5108, 0.4306, 0.3847)
contains.

Yxy(64.4620, 0.4042, 0.3911)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.4620, 0.4042, 0.3911)

Conversions

Conversions Part 1

Format	Color
Hex	FFC88C
RGB	255, 200, 140
RGB Percent	100%, 78%, 55%
CMY	0.0001, 0.2156, 0.4510
CMYK	0.00, 0.22, 0.45, 0.00
HSL	31°, 100%, 77%
HSV	31°, 45%, 100%
XYZ	66.6212, 64.4620, 33.7391
YIQ	209.6050, 52.0400, -7.0000

Conversions

Conversions Part 2

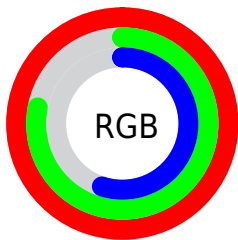
Format	Color
R _Y B	245, 255, 140
Decimal	16763020
CIE Lab	84.21, 12.23, 37.43
CIE LCh	84, 39.376, 71.910
Yxy	64.4620, 0.4042, 0.3911
Android (android.graphics.Color)	4294953100 (0xFFFFC88C)
YUV	209.6050, -34.3153, 39.8114
Hunter-Lab	80.2882, 7.6104, 31.2866

Details

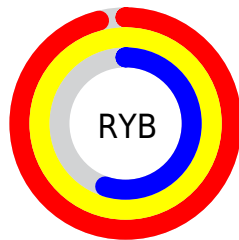
The Yxy color $64.4620, 0.4042, 0.3911$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $51.8034, 0.2392, 0.2562$, and the grayscale version is $64.3804, 0.3127, 0.3290$.

A 20% lighter version of the original color is $96.6750, 0.3490, 0.3890$, and $33.0148, 0.4257, 0.4034$ is the 20% darker color. If you saturate the color by 10%, you get $58.3752, 0.4302, 0.4035$, and if you desaturate by 10%, it is $71.1792, 0.3799, 0.3773$.

Distribution



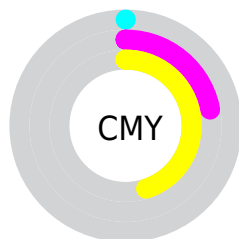
- Red (100%)
- Green (78%)
- Blue (55%)



- Red (96%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (22%)
- Yellow (45%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4620, 0.4042, 0.3911 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 64.4620, 0.4042, 0.3911 by changing the saturation by 10% instead.

 64.4620, 0.4042,
0.3911


 64.4620, 0.4042,
0.3911


440.8561, 0.3612,
0.3636

 47.0250, 0.4139,
0.3969


 111.2760, 0.3893,
0.3819

 33.0554, 0.4258,
0.4037


 141.4218, 0.3835,
0.3782

 22.1689, 0.4406,
0.4116


 176.5726, 0.3785,
0.3750

 13.9810, 0.4593,
0.4209

217.1129, 0.3741,
0.3722

 8.1075, 0.4831,
0.4310

263.4270, 0.3703,
0.3696

 4.1638, 0.5210,
0.4467

315.8993, 0.3669,

 1.7656, 0.5544,

0.3674

0.4456

374.9142, 0.3639,
0.3654

0.4656, 0.6141,
0.3859

0.0000, 0.0000,
0.0000

64.4620, 0.4042,
0.3911

64.4620, 0.4042,
0.3911

58.3752, 0.4302,
0.4035

71.1792, 0.3799,
0.3773

52.8870, 0.4571,
0.4133

78.5388, 0.3578,
0.3631

47.9759, 0.4835,
0.4193

86.5638, 0.3381,
0.3490

43.6145, 0.5077,
0.4203

95.2729, 0.3207,
0.3356

■ 39.7714, 0.5282,
0.4156

99.9956, 0.3127,
0.3290

■ 38.0582, 0.5370,
0.4118

Harmonies

Analogous

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



64.4620, 0.4103, 0.3545



64.4620, 0.4042, 0.3911



64.4620, 0.3728, 0.4152

Triad

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



64.4620, 0.4042, 0.3911



64.4620, 0.2420, 0.3369



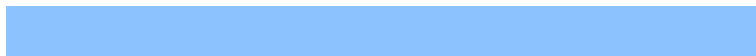
64.4620, 0.2927, 0.2579

Complementary

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



64.4620, 0.4042, 0.3911



51.8034, 0.2392, 0.2562

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.



64.4620, 0.2515, 0.2502



64.4620, 0.4042, 0.3911



64.4620, 0.2241, 0.2911

Square

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



64.4620, 0.4042, 0.3911



64.4620, 0.2788, 0.3849



64.4620, 0.2275, 0.2609



64.4620, 0.3429, 0.2812

Rectangle

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



64.4620, 0.4042, 0.3911



64.4620, 0.3428, 0.4183



64.4620, 0.2275, 0.2609



64.4620, 0.2774, 0.2534

Sweetspot

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



64.4651, 0.4042, 0.3911



87.5020, 0.3361, 0.3475



43.9761, 0.3741, 0.2719



18.3426, 0.3401, 0.3505



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.



64.4651, 0.4042, 0.3911



59.0245, 0.4273, 0.4022



94.2924, 0.3785, 0.4405



19.5561, 0.3281, 0.3414



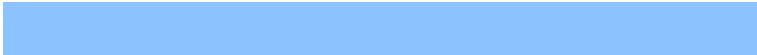
20.1915, 0.5346, 0.4137



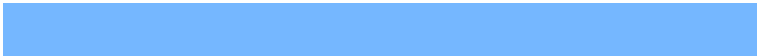
2.1848, 0.5179, 0.4270

Inverse Universe

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



51.8034, 0.2392, 0.2562



44.9388, 0.2250, 0.2386



31.7160, 0.2282, 0.1877



18.8102, 0.2979, 0.3163



11.3260, 0.1750, 0.1501



1.3199, 0.1809, 0.1712

Previews

White Background



This preview shows how the Yxy color 64.4620, 0.4042, 0.3911 looks on a white background.

Color Contrast Check

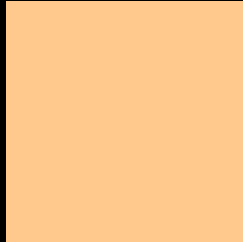
Large Text (above 18pt) WCAG AA × Fail

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 64.4620, 0.4042, 0.3911 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 64.4620, 0.4042, 0.3911

Background



This preview shows how black text looks on a background with the Yxy color 64.4620, 0.4042, 0.3911.



This preview shows how white text looks on a background with the Yxy color 64.4620, 0.4042, 0.3911.

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

64.4620, 0.4042, 0.3911

Protanopia

64.6008, 0.3746, 0.4028

Deuteranopia

64.3622, 0.4013, 0.3927



Tritanopia

64.3486, 0.3523, 0.3157

Trichromacy



Original Color

64.4620, 0.4042, 0.3911

Protanomaly

64.3029, 0.3852, 0.3976

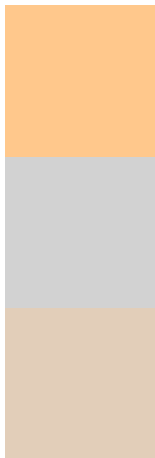
Deuteranomaly

64.5494, 0.4021, 0.3925

Tritanomaly

64.1588, 0.3714, 0.3427

Monochromacy



Original Color

64.4620, 0.4042, 0.3911

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

63.8141, 0.3437, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4620, 0.4042, 0.3911 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, 200, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 140)  
}
```

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, 200, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 140) }
```

Border

The CSS property to change the border of an element to Yxy 64.4620, 0.4042, 0.3911 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, 200, 140) }
```

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

```
.border{ border-color:rgb(255, 200, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4620, 0.4042, 0.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 140) }
```

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

```
.background{ background-color: rgb(255,  
200, 140) }
```

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