

Converting Colors

$Yxy(66.9433, 0.4172, 0.3980)$

Have a look what the booklet for
Yxy(66.9433, 0.4172, 0.3980)
contains.

Yxy(65.1670, 0.4091, 0.4008)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.1670, 0.4091, 0.4008)

Conversions

Conversions Part 1

Format	Color
Hex	FFCA84
RGB	255, 202, 132
RGB Percent	100%, 79%, 52%
CMY	0.0001, 0.2078, 0.4823
CMYK	0.00, 0.21, 0.48, 0.00
HSL	34°, 100%, 76%
HSV	34°, 48%, 100%
XYZ	66.5165, 65.1670, 30.9088
YIQ	209.8670, 54.0580, -10.5340

Conversions

Conversions Part 2

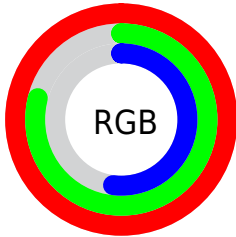
Format	Color
R _Y B	225, 255, 132
Decimal	16763524
CIE Lab	84.57, 10.43, 41.95
CIE LCh	85, 43.229, 76.045
Yxy	65.1670, 0.4091, 0.4008
Android (android.graphics.Color)	4294953604 (0xFFFFCA84)
YUV	209.8670, -38.3884, 39.5816
Hunter-Lab	80.7261, 5.8094, 33.8070

Details

The Yxy color **65.1670, 0.4091, 0.4008** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.8073, 0.2327, 0.2426**, and the grayscale version is **64.5883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3252, 0.3538, 0.3969**, and **33.5097, 0.4314, 0.4149** is the 20% darker color. If you saturate the color by 10%, you get **59.5840, 0.4338, 0.4136**, and if you desaturate by 10%, it is **71.2934, 0.3855, 0.3862**.

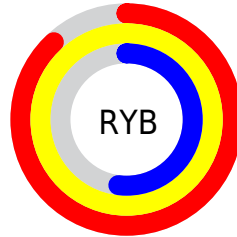
Distribution



Red (100%)

Green (79%)

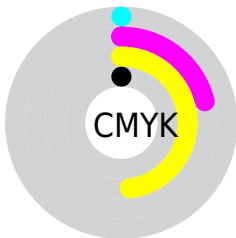
Blue (52%)



Red (88%)

Yellow (100%)

Blue (52%)

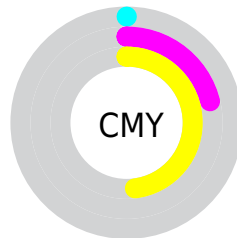


Cyan (0%)

Magenta (21%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1670, 0.4091, 0.4008 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 65.1670, 0.4091, 0.4008 by changing the saturation by 10% instead.


 65.1670, 0.4091,
0.4008


 65.1670, 0.4091,
0.4008


443.3918, 0.3643,
0.3690


 47.5965, 0.4191,
0.4074

 112.2899, 0.3937,
0.3902

 33.5075, 0.4312,
0.4151


 142.6111, 0.3876,
0.3860

 22.5155, 0.4460,
0.4241


 177.9514, 0.3824,
0.3823

 14.2362, 0.4643,
0.4344

218.6950, 0.3778,
0.3790

 8.2851, 0.4870,
0.4453

265.2265, 0.3738,
0.3761

 4.2779, 0.5290,
0.4678

317.9302, 0.3703,

 1.8302, 0.5443,

0.3735

0.4557

377.1905, 0.3671,
0.3711

0.5059, 0.5924,
0.4076

0.0000, 0.0000,
0.0000

65.1670, 0.4091,
0.4008

65.1670, 0.4091,
0.4008

59.5840, 0.4338,
0.4136

71.2934, 0.3855,
0.3862

54.5148, 0.4586,
0.4234

77.9727, 0.3635,
0.3709

49.9404, 0.4821,
0.4289

85.2253, 0.3436,
0.3555

45.8356, 0.5029,
0.4292

93.0679, 0.3258,
0.3407

■ 42.1686, 0.5201, 99.9931, 0.3127,
0.4242 0.3290

■ 41.5554, 0.5229,
0.4230

Harmonies

Analogous

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



65.1670, 0.4204, 0.3619



65.1670, 0.4091, 0.4008



65.1670, 0.3715, 0.4250

Triad

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



65.1670, 0.4091, 0.4008



65.1670, 0.2317, 0.3298



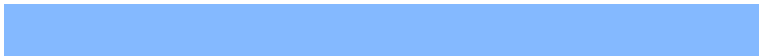
65.1670, 0.2979, 0.2546

Complementary

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



65.1670, 0.4091, 0.4008



46.8073, 0.2327, 0.2426

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.



65.1670, 0.2512, 0.2436



65.1670, 0.4091, 0.4008



65.1670, 0.2157, 0.2814

Square

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



65.1670, 0.4091, 0.4008



65.1670, 0.2689, 0.3840



65.1670, 0.2226, 0.2519



65.1670, 0.3531, 0.2816

Rectangle

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



65.1670, 0.4091, 0.4008



65.1670, 0.3378, 0.4261



65.1670, 0.2226, 0.2519



65.1670, 0.2808, 0.2490

Sweetspot

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



65.1701, 0.4091, 0.4008



88.4908, 0.3359, 0.3492



41.2763, 0.3872, 0.2743



18.5835, 0.3398, 0.3524



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.



65.1701, 0.4091, 0.4008



59.7204, 0.4333, 0.4133



92.8952, 0.3782, 0.4494



19.7040, 0.3280, 0.3425



22.0230, 0.5208, 0.4247



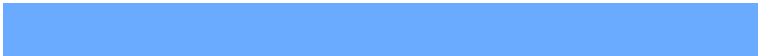
2.3614, 0.5060, 0.4364

Inverse Universe

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



46.8073, 0.2327, 0.2426



39.3987, 0.2169, 0.2211



29.3198, 0.2255, 0.1780



18.6642, 0.2979, 0.3151



9.8614, 0.1709, 0.1351



1.1721, 0.1770, 0.1571

Previews

White Background



This preview shows how the Yxy color 65.1670, 0.4091, 0.4008 looks on a white background.

Color Contrast Check

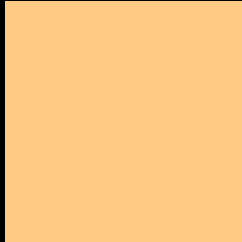
Large Text (above 18pt) WCAG AA × Fail

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 65.1670, 0.4091, 0.4008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

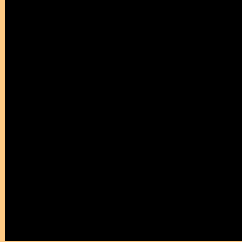
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.1670, 0.4091, 0.4008

Background



This preview shows how black text looks on a background with the Yxy color 65.1670, 0.4091, 0.4008.



This preview shows how white text looks on a background with the Yxy color 65.1670, 0.4091, 0.4008.

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

65.1670, 0.4091, 0.4008

Protanopia

65.1891, 0.3815, 0.4119

Deuteranopia

65.1945, 0.4084, 0.3998



Tritanopia

65.2939, 0.3511, 0.3168

Trichromacy



Original Color

65.1670, 0.4091, 0.4008

Protanomaly

65.2117, 0.3909, 0.4077

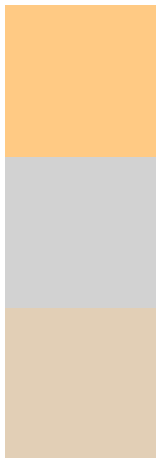
Deuteranomaly

65.1945, 0.4084, 0.3998

Tritanomaly

64.9435, 0.3733, 0.3479

Monochromacy



Original Color

65.1670, 0.4091, 0.4008

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.1718, 0.3458, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1670, 0.4091, 0.4008 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, 202, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 132)  
}
```

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, 202, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 132) }
```

Border

The CSS property to change the border of an element to Yxy 65.1670, 0.4091, 0.4008 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, 202, 132) }
```

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

```
.border{ border-color:rgb(255, 202, 132) }
```

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

Here you see how a box with a 4 pixel rgb(255, 202, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1670, 0.4091, 0.4008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 132) }
```

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

```
.background{ background-color: rgb(255,  
202, 132) }
```

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