

Converting Colors

$Y_{xy}(66.9792, 0.4210, 0.3971)$

Have a look what the booklet for
Yxy(66.9792, 0.4210, 0.3971)
contains.

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Color

Yxy(64.6720, 0.4104, 0.4008)

Conversions

Conversions Part 1

Format	Color
Hex	FFC983
RGB	255, 201, 131
RGB Percent	100%, 79%, 51%
CMY	0.0000, 0.2117, 0.4863
CMYK	0.00, 0.21, 0.49, 0.00
HSL	34°, 100%, 76%
HSV	34°, 49%, 100%
XYZ	66.2210, 64.6720, 30.4643
YIQ	209.1660, 54.6540, -10.3220

Conversions

Conversions Part 2

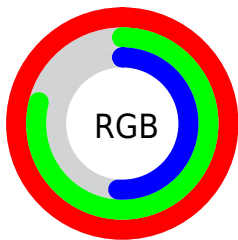
Format	Color
R_{YB}	227, 255, 131
Decimal	16763267
CIE _{Lab}	84.31, 10.87, 42.15
CIE _{LCh}	84, 43.525, 75.541
Yxy	64.6720, 0.4104, 0.4008
Android (android.graphics.Color)	4294953347 (0xFFFFC983)
YUV	209.1660, -38.5358, 40.1964
Hunter-Lab	80.4189, 6.2529, 33.8330

Details

The Yxy color **64.6720, 0.4104, 0.4008** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.7344, 0.2322, 0.2425**, and the grayscale version is **64.1056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **33.1824, 0.4331, 0.4148** is the 20% darker color. If you saturate the color by 10%, you get **59.0761, 0.4353, 0.4134**, and if you desaturate by 10%, it is **70.8183, 0.3866, 0.3864**.

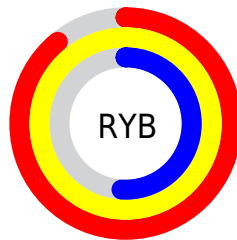
Distribution



Red (100%)

Green (79%)

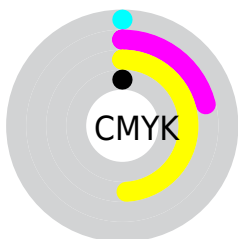
Blue (51%)



Red (89%)

Yellow (100%)

Blue (51%)

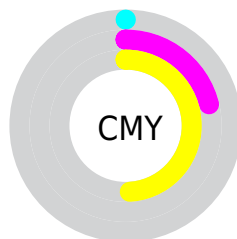


Cyan (0%)

Magenta (21%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (21%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6720, 0.4104, 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 64.6720, 0.4104, 0.4008 by changing the saturation by 10% instead.


 64.6720, 0.4104,
0.4008

 64.6720, 0.4104,
0.4008


441.6123, 0.3649,
0.3691

 47.1952, 0.4205,
0.4074


 111.5782, 0.3947,
0.3903

 33.1900, 0.4328,
0.4150


 141.7763, 0.3886,
0.3860

 22.2720, 0.4479,
0.4240


 176.9836, 0.3833,
0.3823

 14.0569, 0.4665,
0.4341

217.5846, 0.3787,
0.3790

 8.1603, 0.4895,
0.4447

263.9635, 0.3746,
0.3761

 4.1977, 0.5327,
0.4673

316.5049, 0.3710,

 1.7847, 0.5471,

0.3735

0.4529

375.5930, 0.3678,
0.3712

0.4776, 0.6009,
0.3991

0.0000, 0.0000,
0.0000

64.6720, 0.4104,
0.4008

64.6720, 0.4104,
0.4008

59.0761, 0.4353,
0.4134

70.8183, 0.3866,
0.3864

54.0007, 0.4603,
0.4229

77.5248, 0.3645,
0.3712

49.4264, 0.4839,
0.4282

84.8124, 0.3444,
0.3559

45.3276, 0.5048,
0.4281

92.6978, 0.3265,
0.3411

■ 41.6711, 0.5221, 99.9984, 0.3127,
0.4228 0.3290

■ 41.1984, 0.5243,
0.4219

Harmonies

Analogous

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



64.6720, 0.4214, 0.3614



64.6720, 0.4104, 0.4008



64.6720, 0.3728, 0.4257

Triad

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



64.6720, 0.4104, 0.4008



64.6720, 0.2314, 0.3307



64.6720, 0.2969, 0.2537

Complementary

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



64.6720, 0.4104, 0.4008



46.7344, 0.2322, 0.2425

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.



64.6720, 0.2500, 0.2428



64.6720, 0.4104, 0.4008



64.6720, 0.2150, 0.2816

Square

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



64.6720, 0.4104, 0.4008



64.6720, 0.2693, 0.3854



64.6720, 0.2215, 0.2516



64.6720, 0.3526, 0.2806

Rectangle

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



64.6720, 0.4104, 0.4008



64.6720, 0.3389, 0.4272



64.6720, 0.2215, 0.2516



64.6720, 0.2796, 0.2481

Sweetspot

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



64.6751, 0.4104, 0.4008



87.6084, 0.3377, 0.3505



41.0698, 0.3858, 0.2718



18.4026, 0.3416, 0.3537



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.



64.6751, 0.4104, 0.4008



59.4155, 0.4337, 0.4127



93.2549, 0.3801, 0.4496



19.6892, 0.3280, 0.3424



21.8313, 0.5222, 0.4236



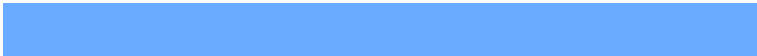
2.3431, 0.5072, 0.4355

Inverse Universe

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



46.7344, 0.2322, 0.2425



39.6632, 0.2171, 0.2220



28.7869, 0.2233, 0.1760



18.6787, 0.2979, 0.3152



9.9994, 0.1713, 0.1365



1.1862, 0.1774, 0.1585

Previews

White Background



This preview shows how the Yxy color 64.6720, 0.4104, 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 64.6720, 0.4104, 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 64.6720, 0.4104, 0.4008

Background



This preview shows how black text looks on a background with the Yxy color 64.6720, 0.4104, 0.4008.



This preview shows how white text looks on a background with the Yxy color 64.6720, 0.4104, 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

64.6720, 0.4104, 0.4008

Protanopia

64.9958, 0.3814, 0.4132

Deuteranopia

64.6720, 0.4104, 0.4008



Tritanopia

64.7952, 0.3521, 0.3168

Trichromacy



Original Color

64.6720, 0.4104, 0.4008

Protanomaly

64.5240, 0.3913, 0.4080

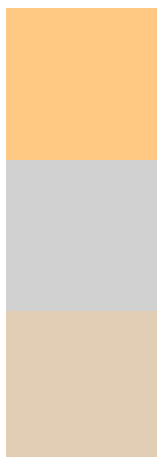
Deuteranomaly

64.6720, 0.4104, 0.4008

Tritanomaly

64.4472, 0.3744, 0.3479

Monochromacy



Original Color

64.6720, 0.4104, 0.4008

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.6476, 0.3467, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6720, 0.4104, 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, 201, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 131)  
}
```

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, 201, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 131) }
```

Border

The CSS property to change the border of an element to Yxy 64.6720, 0.4104, 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, 201, 131) }
```

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

```
.border{ border-color:rgb(255, 201, 131) }
```

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

Here you see how a box with a 4 pixel rgb(255, 201, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6720, 0.4104, 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, 201, 131) }
```

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

```
.background{ background-color: rgb(255,  
201, 131) }
```

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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