

Converting Colors

$Y_{xy}(71.7004, 0.4165, 0.4059)$

Have a look what the booklet for
Yxy(71.7004, 0.4165, 0.4059)
contains.

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Color

Yxy(68.9919, 0.4057, 0.4093)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFD283 |
| RGB | 255, 210, 131 |
| RGB Percent | 100%, 82%, 51% |
| CMY | 0.0000, 0.1765, 0.4863 |
| CMYK | 0.00, 0.18, 0.49, 0.00 |
| HSL | 38°, 100%, 76% |
| HSV | 38°, 49%, 100% |
| XYZ | 68.3851, 68.9919, 31.1837 |
| YIQ | 214.4490, 52.1790, -15.0290 |

Conversions

Conversions Part 2

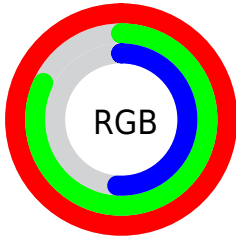
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 202, 255, 131 |
| Decimal | 16765571 |
| CIE Lab | 86.50, 6.22, 44.89 |
| CIE LCh | 87, 45.322, 82.107 |
| Yxy | 68.9919, 0.4057, 0.4093 |
| Android (android.graphics.Color) | 4294955651 (0xFFFFD283) |
| YUV | 214.4490, -41.1404, 35.5632 |
| Hunter-Lab | 83.0614, 1.6031, 35.8837 |

Details

The Yxy color **68.9919, 0.4057, 0.4093** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **43.0935, 0.2300, 0.2308**, and the grayscale version is **67.8206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **36.0919, 0.4255, 0.4254** is the 20% darker color. If you saturate the color by 10%, you get **63.9475, 0.4280, 0.4234**, and if you desaturate by 10%, it is **74.4746, 0.3838, 0.3933**.

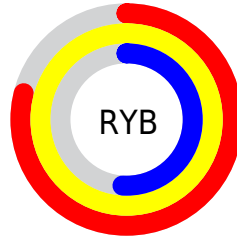
Distribution



Red (100%)

Green (82%)

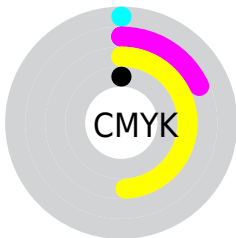
Blue (51%)



Red (79%)

Yellow (100%)

Blue (51%)

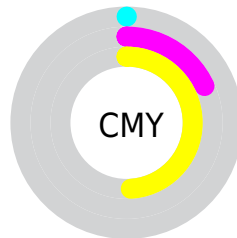


Cyan (0%)

Magenta (18%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9919, 0.4057, 0.4093 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 68.9919, 0.4057, 0.4093 by changing the saturation by 10% instead.


 68.9919, 0.4057,
0.4093


 68.9919, 0.4057,
0.4093


457.0024, 0.3632,
0.3737


 50.7051, 0.4149,
0.4167


 117.7700, 0.3913,
0.3974

 35.9740, 0.4260,
0.4255


 149.0301, 0.3856,
0.3927

 24.4141, 0.4394,
0.4357


 185.3835, 0.3806,
0.3885

 15.6411, 0.4556,
0.4476

227.2144, 0.3762,
0.3848

 9.2705, 0.4750,
0.4607

274.9074, 0.3724,
0.3816

 4.9181, 0.5095,
0.4850

328.8468, 0.3690,

 2.1993, 0.5199,

0.3786

0.4801

389.4170, 0.3660,
0.3760

0.7196, 0.5374,
0.4626

0.0000, 0.0000,
0.0000

68.9919, 0.4057,
0.4093

68.9919, 0.4057,
0.4093

63.9475, 0.4280,
0.4234

74.4746, 0.3838,
0.3933

59.3184, 0.4499,
0.4344

80.4053, 0.3630,
0.3763

55.0874, 0.4700,
0.4411

86.8007, 0.3438,
0.3593

51.2328, 0.4874,
0.4427

93.6746, 0.3264,
0.3427

■ 47.7252, 0.5015,
0.4392

100.0000, 0.3127,
0.3290

■ 47.2664, 0.5033,
0.4386

Harmonies

Analogous

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



68.9919, 0.4238, 0.3712



68.9919, 0.4057, 0.4093



68.9919, 0.3629, 0.4297

Triad

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



68.9919, 0.4057, 0.4093



68.9919, 0.2243, 0.3185



68.9919, 0.3087, 0.2571

Complementary

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



68.9919, 0.4057, 0.4093



43.0935, 0.2300, 0.2308

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.



68.9919, 0.2579, 0.2422



68.9919, 0.4057, 0.4093



68.9919, 0.2128, 0.2721

Square

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



68.9919, 0.4057, 0.4093



68.9919, 0.2584, 0.3750



68.9919, 0.2245, 0.2464



68.9919, 0.3653, 0.2875

Rectangle

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



68.9919, 0.4057, 0.4093



68.9919, 0.3272, 0.4263



68.9919, 0.2245, 0.2464



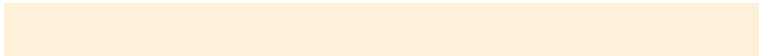
68.9919, 0.2904, 0.2502

Sweetspot

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



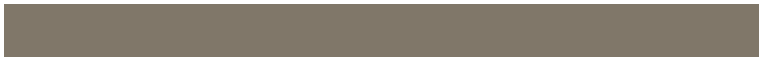
68.9939, 0.4057, 0.4093



89.2387, 0.3373, 0.3532



40.6452, 0.3974, 0.2822



18.7959, 0.3411, 0.3567



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.



68.9939, 0.4057, 0.4093



64.2521, 0.4266, 0.4226



91.4166, 0.3729, 0.4529



19.9171, 0.3278, 0.3441



24.9916, 0.5016, 0.4400



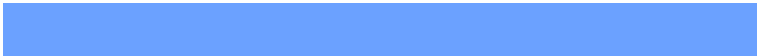
2.6412, 0.4897, 0.4494

Inverse Universe

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



43.0935, 0.2300, 0.2308



35.7606, 0.2139, 0.2077



29.7044, 0.2302, 0.1786



18.4567, 0.2979, 0.3134



8.0780, 0.1654, 0.1153



0.9854, 0.1716, 0.1378

Previews

White Background



This preview shows how the Yxy color 68.9919, 0.4057, 0.4093 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 68.9919, 0.4057, 0.4093 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 68.9919, 0.4057, 0.4093

Background



This preview shows how black text looks on a background with the Yxy color 68.9919, 0.4057, 0.4093.



This preview shows how white text looks on a background with the Yxy color 68.9919, 0.4057, 0.4093.

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

68.9919, 0.4057, 0.4093

Protanopia

69.3515, 0.3859, 0.4179

Deuteranopia

69.0953, 0.3919, 0.3889



Tritanopia

68.8782, 0.3444, 0.3169

Trichromacy



Original Color

68.9919, 0.4057, 0.4093

Protanomaly

69.0197, 0.3935, 0.4141

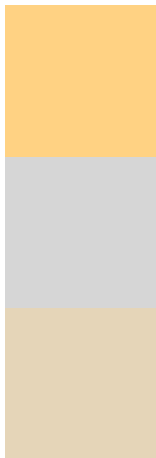
Deuteranomaly

68.8745, 0.3970, 0.3959

Tritanomaly

68.8633, 0.3678, 0.3519

Monochromacy



Original Color

68.9919, 0.4057, 0.4093

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.7072, 0.3454, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9919, 0.4057, 0.4093 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, 210, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 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, 210, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 131) }
```

Border

The CSS property to change the border of an element to Yxy 68.9919, 0.4057, 0.4093 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, 210, 131) }
```

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

```
.border{ border-color:rgb(255, 210, 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, 210, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9919, 0.4057, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 131) }
```

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

```
.background{ background-color: rgb(255,  
210, 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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