

Converting Colors

$Y_{xy}(68.1994, 0.4059, 0.4044)$

Have a look what the booklet for
Yxy(68.1994, 0.4059, 0.4044)
contains.

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Color

Yxy(68.0930, 0.4046, 0.4046)

Conversions

Conversions Part 1

Format	Color
Hex	FFD086
RGB	255, 208, 134
RGB Percent	100%, 82%, 53%
CMY	0.0001, 0.1843, 0.4745
CMYK	0.00, 0.18, 0.47, 0.00
HSL	37°, 100%, 76%
HSV	37°, 47%, 100%
XYZ	68.0930, 68.0930, 32.1111
YIQ	213.6170, 51.7660, -13.0500

Conversions

Conversions Part 2

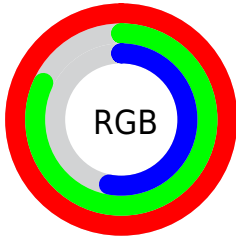
Format	Color
R _Y B	211, 255, 134
Decimal	16765062
CIE Lab	86.05, 7.51, 42.83
CIE LCh	86, 43.482, 80.052
Yxy	68.0930, 0.4046, 0.4046
Android (android.graphics.Color)	4294955142 (0xFFFFD086)
YUV	213.6170, -39.2512, 36.2929
Hunter-Lab	82.5185, 2.8881, 34.6909

Details

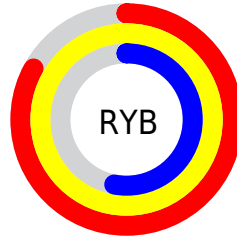
The Yxy color **68.0930, 0.4046, 0.4046** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.3232, 0.2328, 0.2376**, and the grayscale version is **67.2181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **35.4715, 0.4247, 0.4198** is the 20% darker color. If you saturate the color by 10%, you get **62.7908, 0.4278, 0.4185**, and if you desaturate by 10%, it is **73.8745, 0.3822, 0.3890**.

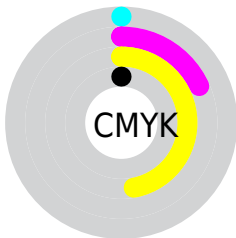
Distribution



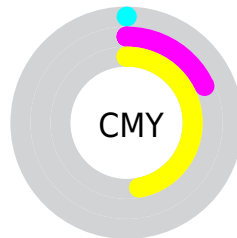
- Red (100%)
- Green (82%)
- Blue (53%)



- Red (83%)
- Yellow (100%)
- Blue (53%)



- Cyan (0%)
- Magenta (18%)
- Yellow (47%)
- Black (0%)





- Cyan (0%)
- Magenta (18%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0930, 0.4046, 0.4046 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 68.0930, 0.4046, 0.4046 by changing the saturation by 10% instead.


 68.0930, 0.4046,
0.4046

 68.0930, 0.4046,
0.4046


453.8254, 0.3623,
0.3710


 49.9734, 0.4139,
0.4116

 116.4852, 0.3902,
0.3934

 35.3923, 0.4251,
0.4199

 147.5265, 0.3845,
0.3889

 23.9652, 0.4387,
0.4297


 183.6439, 0.3795,
0.3850

 15.3078, 0.4555,
0.4410

225.2218, 0.3752,
0.3815

 9.0357, 0.4759,
0.4536

272.6445, 0.3714,
0.3784

 4.7645, 0.5102,
0.4752

326.2964, 0.3681,

 2.1097, 0.5270,

0.3757

0.4730

386.5619, 0.3650,
0.3732

0.6701, 0.5504,
0.4496

0.0000, 0.0000,
0.0000

68.0930, 0.4046,
0.4046

68.0930, 0.4046,
0.4046

62.7908, 0.4278,
0.4185

73.8745, 0.3822,
0.3890

57.9401, 0.4508,
0.4294

80.1421, 0.3611,
0.3726

53.5243, 0.4724,
0.4362

86.9146, 0.3419,
0.3562

49.5210, 0.4914,
0.4379

94.2065, 0.3245,
0.3403

■ 45.9023, 0.5069,
0.4342

99.9955, 0.3127,
0.3290

■ 45.0295, 0.5106,
0.4328

Harmonies

Analogous

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



68.0930, 0.4198, 0.3672



68.0930, 0.4046, 0.4046



68.0930, 0.3647, 0.4255

Triad

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



68.0930, 0.4046, 0.4046



68.0930, 0.2289, 0.3227



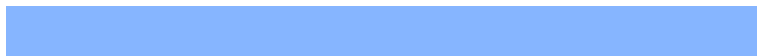
68.0930, 0.3052, 0.2579

Complementary

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



68.0930, 0.4046, 0.4046



45.3232, 0.2328, 0.2376

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.



68.0930, 0.2570, 0.2447



68.0930, 0.4046, 0.4046



68.0930, 0.2161, 0.2768

Square

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



68.0930, 0.4046, 0.4046



68.0930, 0.2634, 0.3768



68.0930, 0.2259, 0.2503



68.0930, 0.3599, 0.2865

Rectangle

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



68.0930, 0.4046, 0.4046



68.0930, 0.3306, 0.4236



68.0930, 0.2259, 0.2503



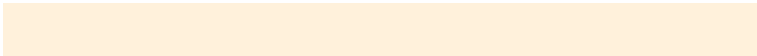
68.0930, 0.2877, 0.2516

Sweetspot

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



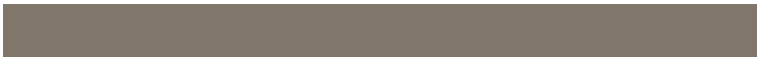
68.0962, 0.4046, 0.4046



89.3843, 0.3357, 0.3506



41.7020, 0.3899, 0.2791



18.8015, 0.3395, 0.3541



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.



68.0962, 0.4046, 0.4046



63.0289, 0.4268, 0.4179



92.2598, 0.3745, 0.4489



19.8372, 0.3279, 0.3435



23.8324, 0.5086, 0.4343



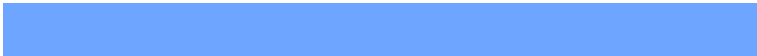
2.5328, 0.4957, 0.4446

Inverse Universe

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



45.3232, 0.2328, 0.2376



37.8130, 0.2167, 0.2151



30.3918, 0.2298, 0.1817



18.5341, 0.2979, 0.3141



8.7030, 0.1674, 0.1224



1.0519, 0.1736, 0.1448

Previews

White Background



This preview shows how the Yxy color 68.0930, 0.4046, 0.4046 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 68.0930, 0.4046, 0.4046 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 68.0930, 0.4046, 0.4046

Background



This preview shows how black text looks on a background with the Yxy color 68.0930, 0.4046, 0.4046.



This preview shows how white text looks on a background with the Yxy color 68.0930, 0.4046, 0.4046.

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

68.0930, 0.4046, 0.4046

Protanopia

68.0692, 0.3831, 0.4135

Deuteranopia

68.0238, 0.3950, 0.3900



Tritanopia

67.8883, 0.3455, 0.3158

Trichromacy



Original Color

68.0930, 0.4046, 0.4046

Protanomaly

67.7418, 0.3908, 0.4098

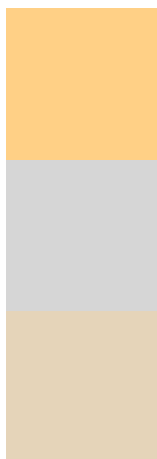
Deuteranomaly

67.8688, 0.3987, 0.3949

Tritanomaly

67.9485, 0.3675, 0.3488

Monochromacy



Original Color

68.0930, 0.4046, 0.4046

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.2478, 0.3449, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0930, 0.4046, 0.4046 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, 134)` looks like.

```
.text, #text, p{  
  color:rgb(255, 208, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 134) }
```

Border

The CSS property to change the border of an element to Yxy 68.0930, 0.4046, 0.4046 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, 134) }
```

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

```
.border{ border-color:rgb(255, 208, 134) }
```

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, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 134);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0930, 0.4046, 0.4046 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, 134) }
```

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

```
.background{ background-color: rgb(255,  
208, 134) }
```

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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