

Converting Colors

$Y_{xy}(67.9179, 0.4059, 0.4059)$

Have a look what the booklet for
Yxy(67.9179, 0.4059, 0.4059)
contains.

Yxy(68.0377, 0.4060, 0.4065)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.0377, 0.4060, 0.4065)

Conversions

Conversions Part 1

Format	Color
Hex	FFD084
RGB	255, 208, 132
RGB Percent	100%, 82%, 52%
CMY	0.0001, 0.1842, 0.4823
CMYK	0.00, 0.18, 0.48, 0.00
HSL	37°, 100%, 76%
HSV	37°, 48%, 100%
XYZ	67.9540, 68.0377, 31.3827
YIQ	213.3890, 52.4080, -13.6720

Conversions

Conversions Part 2

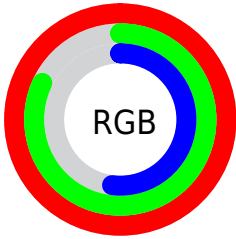
Format	Color
R _Y B	208, 255, 132
Decimal	16765060
CIE Lab	86.03, 7.33, 43.79
CIE LCh	86, 44.403, 80.503
Yxy	68.0377, 0.4060, 0.4065
Android (android.graphics.Color)	4294955140 (0xFFFFD084)
YUV	213.3890, -40.1248, 36.4928
Hunter-Lab	82.4850, 2.7059, 35.1817

Details

The Yxy color **68.0377, 0.4060, 0.4065** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.3507, 0.2312, 0.2348**, and the grayscale version is **67.0623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3252, 0.3538, 0.3969**, and **35.4410, 0.4263, 0.4220** is the 20% darker color. If you saturate the color by 10%, you get **62.8224, 0.4290, 0.4203**, and if you desaturate by 10%, it is **73.7215, 0.3836, 0.3908**.

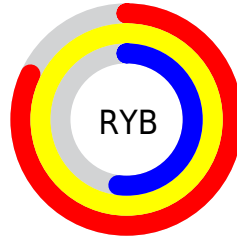
Distribution



Red (100%)

Green (82%)

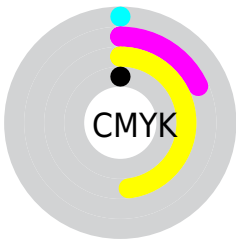
Blue (52%)



Red (82%)

Yellow (100%)

Blue (52%)

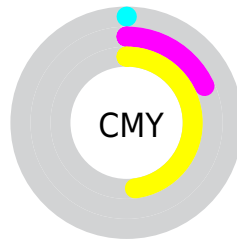


Cyan (0%)

Magenta (18%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0377, 0.4060, 0.4065 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 68.0377, 0.4060, 0.4065 by changing the saturation by 10% instead.

 68.0377, 0.4060,
0.4065

 68.0377, 0.4060,
0.4065


453.6296, 0.3632,
0.3721

 49.9284, 0.4154,
0.4137


 116.4061, 0.3914,
0.3950

 35.3565, 0.4267,
0.4221


 147.4339, 0.3856,
0.3904

 23.9376, 0.4404,
0.4320


 183.5368, 0.3806,
0.3864

 15.2874, 0.4571,
0.4435

225.0990, 0.3762,
0.3829

 9.0213, 0.4774,
0.4561

272.5050, 0.3724,
0.3797

 4.7551, 0.5131,
0.4793

326.1392, 0.3690,

 2.1043, 0.5261,

0.3769

0.4739

386.3859, 0.3659,
0.3744

0.6670, 0.5493,
0.4507

0.0000, 0.0000,
0.0000

68.0377, 0.4060,
0.4065

68.0377, 0.4060,
0.4065

62.8224, 0.4290,
0.4203

73.7215, 0.3836,
0.3908

58.0481, 0.4517,
0.4311

79.8806, 0.3626,
0.3743

53.6984, 0.4728,
0.4376

86.5335, 0.3433,
0.3577

49.7506, 0.4912,
0.4390

93.6946, 0.3257,
0.3416

■ 46.1757, 0.5062,
0.4352

99.9951, 0.3127,
0.3290

■ 45.5746, 0.5087,
0.4343

Harmonies

Analogous

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



68.0377, 0.4221, 0.3685



68.0377, 0.4060, 0.4065



68.0377, 0.3649, 0.4277

Triad

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



68.0377, 0.4060, 0.4065



68.0377, 0.2269, 0.3216



68.0377, 0.3058, 0.2569

Complementary

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



68.0377, 0.4060, 0.4065



44.3507, 0.2312, 0.2348

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.



68.0377, 0.2565, 0.2431



68.0377, 0.4060, 0.4065



68.0377, 0.2142, 0.2750

Square

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



68.0377, 0.4060, 0.4065



68.0377, 0.2616, 0.3770



68.0377, 0.2245, 0.2484



68.0377, 0.3616, 0.2862

Rectangle

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



68.0377, 0.4060, 0.4065



68.0377, 0.3300, 0.4255



68.0377, 0.2245, 0.2484



68.0377, 0.2879, 0.2504

Sweetspot

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



68.0409, 0.4060, 0.4065



89.5184, 0.3356, 0.3509



41.0202, 0.3941, 0.2805



18.8343, 0.3395, 0.3544



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.



68.0409, 0.4060, 0.4065



62.9504, 0.4285, 0.4200



91.8049, 0.3739, 0.4513



19.8571, 0.3279, 0.3437



24.1168, 0.5069, 0.4357



2.5594, 0.4942, 0.4458

Inverse Universe

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



44.3507, 0.2312, 0.2348



36.7525, 0.2147, 0.2114



29.8664, 0.2296, 0.1795



18.5147, 0.2979, 0.3139



8.5421, 0.1669, 0.1206



1.0349, 0.1731, 0.1431

Previews

White Background



This preview shows how the Yxy color 68.0377, 0.4060, 0.4065 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 68.0377, 0.4060, 0.4065 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 68.0377, 0.4060, 0.4065

Background



This preview shows how black text looks on a background with the Yxy color 68.0377, 0.4060, 0.4065.



This preview shows how white text looks on a background with the Yxy color 68.0377, 0.4060, 0.4065.

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

68.0377, 0.4060, 0.4065

Protanopia

68.0123, 0.3845, 0.4155

Deuteranopia

67.9922, 0.3957, 0.3910



Tritanopia

67.8883, 0.3455, 0.3158

Trichromacy



Original Color

68.0377, 0.4060, 0.4065

Protanomaly

67.6854, 0.3922, 0.4118

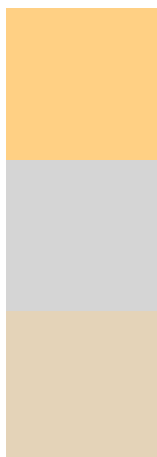
Deuteranomaly

67.8386, 0.3994, 0.3959

Tritanomaly

67.9064, 0.3683, 0.3499

Monochromacy



Original Color

68.0377, 0.4060, 0.4065

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.5432, 0.3451, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0377, 0.4060, 0.4065 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, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 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, 208, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 132) }
```

Border

The CSS property to change the border of an element to Yxy 68.0377, 0.4060, 0.4065 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, 132) }
```

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

```
.border{ border-color:rgb(255, 208, 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, 208, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0377, 0.4060, 0.4065 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, 132) }
```

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

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