

Converting Colors

$Y_{xy}(103.2513, 0.4964, 0.3765)$

Have a look what the booklet for
Yxy(103.2513, 0.4964, 0.3765)
contains.

Yxy(68.0652, 0.4053, 0.4055)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.0652, 0.4053, 0.4055)

Conversions

Conversions Part 1

Format	Color
Hex	FFD085
RGB	255, 208, 133
RGB Percent	100%, 82%, 52%
CMY	0.0000, 0.1843, 0.4783
CMYK	0.00, 0.18, 0.48, 0.00
HSL	37°, 100%, 76%
HSV	37°, 48%, 100%
XYZ	68.0316, 68.0652, 31.7582
YIQ	213.5030, 52.0870, -13.3610

Conversions

Conversions Part 2

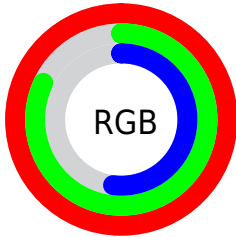
Format	Color
R _Y B	209, 255, 133
Decimal	16765061
CIE Lab	86.04, 7.44, 43.29
CIE LCh	86, 43.927, 80.252
Yxy	68.0652, 0.4053, 0.4055
Android (android.graphics.Color)	4294955141 (0xFFFFD085)
YUV	213.5030, -39.6880, 36.3929
Hunter-Lab	82.5016, 2.8149, 34.9281

Details

The Yxy color **68.0652, 0.4053, 0.4055** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.8686, 0.2320, 0.2363**, and the grayscale version is **67.1434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3679, 0.3532, 0.3959**, and **35.4562, 0.4255, 0.4209** is the 20% darker color. If you saturate the color by 10%, you get **62.8025, 0.4284, 0.4194**, and if you desaturate by 10%, it is **73.8023, 0.3829, 0.3899**.

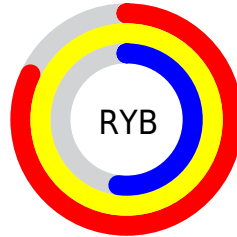
Distribution



Red (100%)

Green (82%)

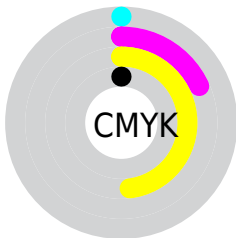
Blue (52%)



Red (82%)

Yellow (100%)

Blue (52%)

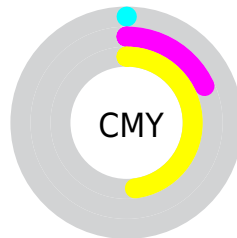


Cyan (0%)

Magenta (18%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0652, 0.4053, 0.4055 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 68.0652, 0.4053, 0.4055 by changing the saturation by 10% instead.


 68.0652, 0.4053,
0.4055

 68.0652, 0.4053,
0.4055


453.7270, 0.3627,
0.3715

 49.9508, 0.4146,
0.4126

 116.4454, 0.3908,
0.3942

 35.3743, 0.4259,
0.4210


 147.4800, 0.3850,
0.3896

 23.9513, 0.4396,
0.4308


 183.5901, 0.3801,
0.3857

 15.2975, 0.4563,
0.4422

225.1601, 0.3757,
0.3822

 9.0285, 0.4767,
0.4547

272.5744, 0.3719,
0.3790

 4.7598, 0.5117,
0.4771

326.2174, 0.3685,

 2.1070, 0.5266,

0.3763

0.4734

386.4734, 0.3655,
0.3738

0.6686, 0.5500,
0.4500

0.0000, 0.0000,
0.0000

68.0652, 0.4053,
0.4055

68.0652, 0.4053,
0.4055

62.8025, 0.4284,
0.4194

73.8023, 0.3829,
0.3899

57.9867, 0.4512,
0.4302

80.0206, 0.3619,
0.3734

53.6011, 0.4727,
0.4369

86.7389, 0.3425,
0.3569

49.6232, 0.4914,
0.4384

93.9716, 0.3251,
0.3410

■ 46.0246, 0.5066, 99.9998, 0.3127,
0.4347 0.3290

■ 45.2845, 0.5097,
0.4335

Harmonies

Analogous

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



68.0652, 0.4209, 0.3678



68.0652, 0.4053, 0.4055



68.0652, 0.3648, 0.4266

Triad

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



68.0652, 0.4053, 0.4055



68.0652, 0.2280, 0.3222



68.0652, 0.3055, 0.2574

Complementary

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



68.0652, 0.4053, 0.4055



44.8686, 0.2320, 0.2363

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.



68.0652, 0.2567, 0.2439



68.0652, 0.4053, 0.4055



68.0652, 0.2152, 0.2760

Square

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



68.0652, 0.4053, 0.4055



68.0652, 0.2625, 0.3769



68.0652, 0.2252, 0.2494



68.0652, 0.3607, 0.2863

Rectangle

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



68.0652, 0.4053, 0.4055



68.0652, 0.3303, 0.4245



68.0652, 0.2252, 0.2494



68.0652, 0.2878, 0.2510

Sweetspot

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



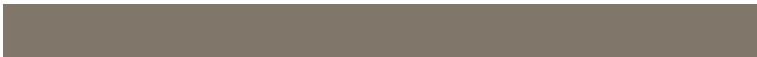
68.0684, 0.4053, 0.4055



89.4449, 0.3356, 0.3507



41.4175, 0.3908, 0.2788



18.8163, 0.3395, 0.3542



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.



68.0684, 0.4053, 0.4055



63.2204, 0.4265, 0.4183



92.2336, 0.3749, 0.4497



19.8462, 0.3279, 0.3436



23.9606, 0.5078, 0.4350



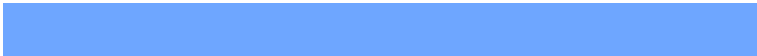
2.5448, 0.4950, 0.4452

Inverse Universe

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



44.8686, 0.2320, 0.2363



37.6616, 0.2165, 0.2145



30.0490, 0.2291, 0.1804



18.5253, 0.2979, 0.3140



8.6298, 0.1671, 0.1216



1.0442, 0.1734, 0.1440

Previews

White Background



This preview shows how the Yxy color 68.0652, 0.4053, 0.4055 looks on a white background.

Color Contrast Check

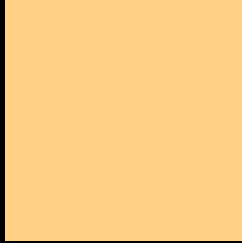
Large Text (above 18pt) WCAG AA × Fail

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 68.0652, 0.4053, 0.4055 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 68.0652, 0.4053, 0.4055

Background



This preview shows how black text looks on a background with the Yxy color 68.0652, 0.4053, 0.4055.



This preview shows how white text looks on a background with the Yxy color 68.0652, 0.4053, 0.4055.

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

68.0652, 0.4053, 0.4055

Protanopia

68.0406, 0.3838, 0.4145

Deuteranopia

68.0238, 0.3950, 0.3900



Tritanopia

67.8883, 0.3455, 0.3158

Trichromacy



Original Color

68.0652, 0.4053, 0.4055

Protanomaly

67.7135, 0.3915, 0.4108

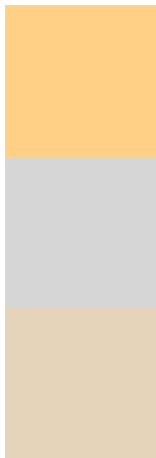
Deuteranomaly

67.8688, 0.3987, 0.3949

Tritanomaly

67.9485, 0.3675, 0.3488

Monochromacy



Original Color

68.0652, 0.4053, 0.4055

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 68.0652, 0.4053, 0.4055 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 133) }
```

Border

The CSS property to change the border of an element to Yxy 68.0652, 0.4053, 0.4055 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, 133) }
```

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

```
.border{ border-color:rgb(255, 208, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0652, 0.4053, 0.4055 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, 133) }
```

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

```
.background{ background-color: rgb(255,  
208, 133) }
```

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