

Converting Colors

$Yxy(67.2254, 0.4047, 0.4017)$

Have a look what the booklet for
Yxy(67.2254, 0.4047, 0.4017)
contains.

Yxy(67.1519, 0.4049, 0.4017)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(67.1519, 0.4049, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	FFCE87
RGB	255, 206, 135
RGB Percent	100%, 81%, 53%
CMY	0.0000, 0.1921, 0.4704
CMYK	0.00, 0.19, 0.47, 0.00
HSL	35°, 100%, 76%
HSV	35°, 47%, 100%
XYZ	67.6868, 67.1519, 32.3305
YIQ	212.5570, 51.9950, -11.6930

Conversions

Conversions Part 2

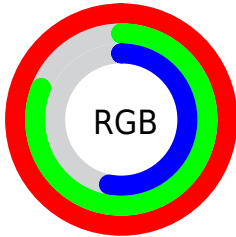
Format	Color
R _Y B	218, 255, 135
Decimal	16764551
CIE Lab	85.58, 8.66, 41.71
CIE LCh	86, 42.600, 78.275
Yxy	67.1519, 0.4049, 0.4017
Android (android.graphics.Color)	4294954631 (0xFFFFCE87)
YUV	212.5570, -38.2356, 37.2225
Hunter-Lab	81.9463, 4.0334, 33.9705

Details

The Yxy color **67.1519, 0.4049, 0.4017** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.6711, 0.2341, 0.2417**, and the grayscale version is **66.4664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4541, 0.3520, 0.3939**, and **34.8323, 0.4255, 0.4164** is the 20% darker color. If you saturate the color by 10%, you get **61.6705, 0.4288, 0.4152**, and if you desaturate by 10%, it is **73.1440, 0.3820, 0.3865**.

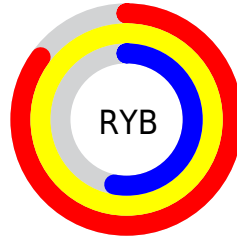
Distribution



Red (100%)

Green (81%)

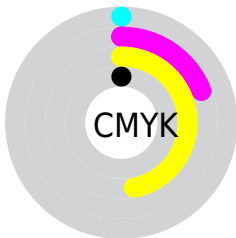
Blue (53%)



Red (85%)

Yellow (100%)

Blue (53%)

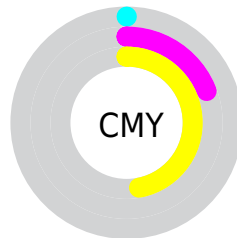


Cyan (0%)

Magenta (19%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.1519, 0.4049, 0.4017 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 67.1519, 0.4049, 0.4017 by changing the saturation by 10% instead.

 67.1519, 0.4049,
0.4017


 67.1519, 0.4049,
0.4017


450.4853, 0.3623,
0.3694

 49.2081, 0.4143,
0.4085


 115.1380, 0.3903,
0.3909

 34.7846, 0.4257,
0.4164


 145.9492, 0.3845,
0.3866

 23.4970, 0.4397,
0.4258


 181.8182, 0.3796,
0.3828

 14.9609, 0.4570,
0.4366

223.1294, 0.3752,
0.3795

 8.7919, 0.4782,
0.4487

270.2674, 0.3714,
0.3766

 4.6057, 0.5138,
0.4692

323.6164, 0.3680,

 2.0178, 0.5335,

0.3739

0.4665

383.5609, 0.3650,
0.3716

0.6178, 0.5638,
0.4362

0.0000, 0.0000,
0.0000

67.1519, 0.4049,
0.4017

67.1519, 0.4049,
0.4017

61.6705, 0.4288,
0.4152

73.1440, 0.3820,
0.3865

56.6714, 0.4526,
0.4259

79.6548, 0.3607,
0.3706

52.1370, 0.4753,
0.4325

86.7036, 0.3413,
0.3547

48.0439, 0.4954,
0.4339

94.3060, 0.3238,
0.3393

■ 44.3639, 0.5119,
0.4299

100.0000, 0.3127,
0.3290

■ 43.3441, 0.5164,
0.4281

Harmonies

Analogous

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



67.1519, 0.4181, 0.3644



67.1519, 0.4049, 0.4017



67.1519, 0.3668, 0.4235

Triad

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



67.1519, 0.4049, 0.4017



67.1519, 0.2316, 0.3259



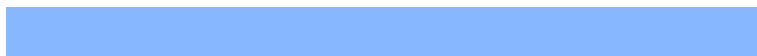
67.1519, 0.3022, 0.2577

Complementary

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



67.1519, 0.4049, 0.4017



46.6711, 0.2341, 0.2417

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.



67.1519, 0.2555, 0.2456



67.1519, 0.4049, 0.4017



67.1519, 0.2176, 0.2798

Square

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



67.1519, 0.4049, 0.4017



67.1519, 0.2667, 0.3789



67.1519, 0.2259, 0.2524



67.1519, 0.3561, 0.2851

Rectangle

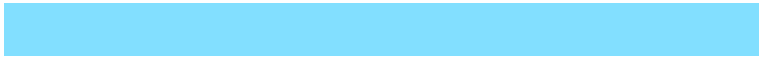
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.1519, 0.4049, 0.4017



67.1519, 0.3335, 0.4228



67.1519, 0.2259, 0.2524



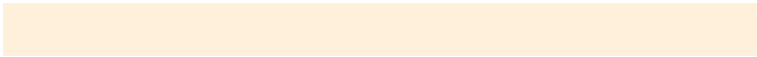
67.1519, 0.2852, 0.2518

Sweetspot

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



67.1551, 0.4049, 0.4017



88.9572, 0.3358, 0.3499



42.1035, 0.3867, 0.2775



18.6973, 0.3396, 0.3533



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.



67.1551, 0.4049, 0.4017



62.2192, 0.4262, 0.4139



92.6836, 0.3754, 0.4473



19.7735, 0.3279, 0.3430



22.9493, 0.5144, 0.4298



2.4495, 0.5006, 0.4407

Inverse Universe

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



46.6711, 0.2341, 0.2417



39.6248, 0.2191, 0.2213



30.5830, 0.2293, 0.1826



18.5960, 0.2979, 0.3146



9.2377, 0.1690, 0.1283



1.1078, 0.1752, 0.1506

Previews

White Background



This preview shows how the Yxy color 67.1519, 0.4049, 0.4017 looks on a white background.

Color Contrast Check

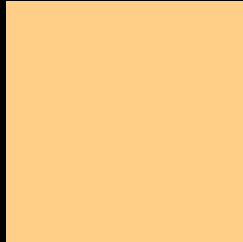
Large Text (above 18pt) WCAG AA × Fail

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 67.1519, 0.4049, 0.4017 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 67.1519, 0.4049, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 67.1519, 0.4049, 0.4017.



This preview shows how white text looks on a background with the Yxy color 67.1519, 0.4049, 0.4017.

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

67.1519, 0.4049, 0.4017

Protanopia

67.2518, 0.3813, 0.4120

Deuteranopia

66.9363, 0.3988, 0.3920



Tritanopia

67.3220, 0.3472, 0.3168

Trichromacy



Original Color

67.1519, 0.4049, 0.4017

Protanomaly

67.0954, 0.3898, 0.4081

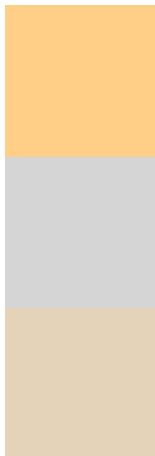
Deuteranomaly

66.8457, 0.4011, 0.3950

Tritanomaly

66.9618, 0.3689, 0.3478

Monochromacy



Original Color

67.1519, 0.4049, 0.4017

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.0899, 0.3445, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1519, 0.4049, 0.4017 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, 206, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 135)  
}
```

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, 206, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 135) }
```

Border

The CSS property to change the border of an element to Yxy 67.1519, 0.4049, 0.4017 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, 206, 135) }
```

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

```
.border{ border-color:rgb(255, 206, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1519, 0.4049, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 135) }
```

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

```
.background{ background-color: rgb(255,  
206, 135) }
```

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