

Converting Colors

$Yxy(95.3357, 0.4817, 0.3775)$

Have a look what the booklet for
Yxy(95.3357, 0.4817, 0.3775)
contains.

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Color

Yxy(67.6918, 0.4030, 0.4008)

Conversions

Conversions Part 1

Format	Color
Hex	FFCF89
RGB	255, 207, 137
RGB Percent	100%, 81%, 54%
CMY	0.0001, 0.1882, 0.4628
CMYK	0.00, 0.19, 0.46, 0.00
HSL	36°, 100%, 77%
HSV	36°, 46%, 100%
XYZ	68.0634, 67.6918, 33.1366
YIQ	213.3720, 51.0780, -11.5940

Conversions

Conversions Part 2

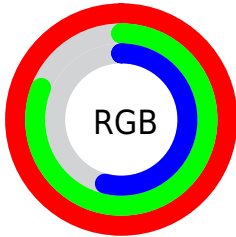
Format	Color
R _Y B	218, 255, 137
Decimal	16764809
CIE Lab	85.85, 8.31, 41.08
CIE LCh	86, 41.912, 78.560
Yxy	67.6918, 0.4030, 0.4008
Android (android.graphics.Color)	4294954889 (0xFFFFCF89)
YUV	213.3720, -37.6514, 36.5078
Hunter-Lab	82.2750, 3.6857, 33.7133

Details

The Yxy color **67.6918, 0.4030, 0.4008** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.2138, 0.2353, 0.2431**, and the grayscale version is **67.0332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5416, 0.3508, 0.3919**, and **35.1901, 0.4229, 0.4153** is the 20% darker color. If you saturate the color by 10%, you get **62.1882, 0.4267, 0.4146**, and if you desaturate by 10%, it is **73.7045, 0.3803, 0.3855**.

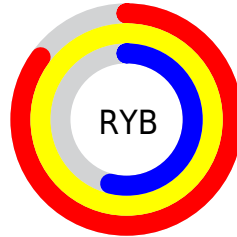
Distribution



Red (100%)

Green (81%)

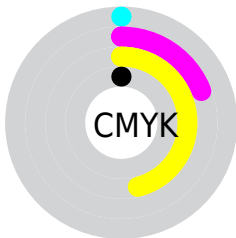
Blue (54%)



Red (85%)

Yellow (100%)

Blue (54%)

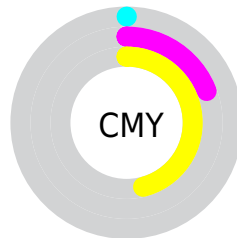


Cyan (0%)

Magenta (19%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6918, 0.4030, 0.4008 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 67.6918, 0.4030, 0.4008 by changing the saturation by 10% instead.


 67.6918, 0.4030,
0.4008

 67.6918, 0.4030,
0.4008

452.4033, 0.3613,
0.3689


 49.6470, 0.4122,
0.4075


 115.9111, 0.3887,
0.3901

 35.1330, 0.4234,
0.4154


 146.8545, 0.3831,
0.3859

 23.7654, 0.4371,
0.4248


 182.8662, 0.3782,
0.3821

 15.1597, 0.4541,
0.4357

224.3306, 0.3740,
0.3788

 8.9315, 0.4750,
0.4479

271.6321, 0.3702,
0.3759

 4.6965, 0.5084,
0.4673

325.1551, 0.3669,

 2.0703, 0.5313,

0.3733

0.4687

385.2841, 0.3639,
0.3710

0.6479, 0.5582,
0.4418

0.0000, 0.0000,
0.0000

67.6918, 0.4030,
0.4008

67.6918, 0.4030,
0.4008

62.1882, 0.4267,
0.4146

73.7045, 0.3803,
0.3855

57.1655, 0.4506,
0.4255

80.2339, 0.3591,
0.3695

52.6063, 0.4733,
0.4325

87.2995, 0.3399,
0.3536

48.4875, 0.4936,
0.4344

94.9165, 0.3226,
0.3382

■ 44.7820, 0.5103,
0.4308

99.9975, 0.3127,
0.3290

■ 43.4962, 0.5159,
0.4286

Harmonies

Analogous

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



67.6918, 0.4161, 0.3643



67.6918, 0.4030, 0.4008



67.6918, 0.3655, 0.4218

Triad

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



67.6918, 0.4030, 0.4008



67.6918, 0.2328, 0.3256



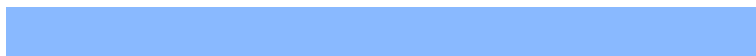
67.6918, 0.3030, 0.2591

Complementary

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



67.6918, 0.4030, 0.4008



47.2138, 0.2353, 0.2431

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.



67.6918, 0.2569, 0.2471



67.6918, 0.4030, 0.4008



67.6918, 0.2192, 0.2805

Square

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



67.6918, 0.4030, 0.4008



67.6918, 0.2672, 0.3775



67.6918, 0.2276, 0.2536



67.6918, 0.3558, 0.2862

Rectangle

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



67.6918, 0.4030, 0.4008



67.6918, 0.3327, 0.4208



67.6918, 0.2276, 0.2536



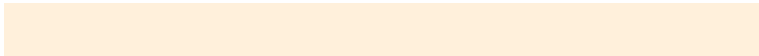
67.6918, 0.2862, 0.2532

Sweetspot

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



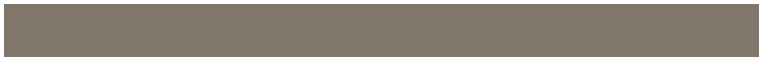
67.6950, 0.4030, 0.4008



88.9975, 0.3357, 0.3500



42.6943, 0.3849, 0.2783



18.7071, 0.3396, 0.3534



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.



67.6950, 0.4030, 0.4008



62.3430, 0.4261, 0.4142



92.7572, 0.3746, 0.4455



19.7796, 0.3279, 0.3431



23.0312, 0.5139, 0.4302



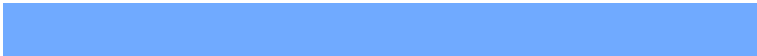
2.4572, 0.5001, 0.4411

Inverse Universe

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



47.2138, 0.2353, 0.2431



39.5221, 0.2190, 0.2210



31.2902, 0.2309, 0.1853



18.5902, 0.2979, 0.3145



9.1858, 0.1688, 0.1278



1.1024, 0.1750, 0.1501

Previews

White Background



This preview shows how the Yxy color 67.6918, 0.4030, 0.4008 looks on a white background.

Color Contrast Check

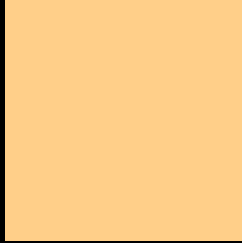
Large Text (above 18pt) WCAG AA × Fail

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 67.6918, 0.4030, 0.4008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

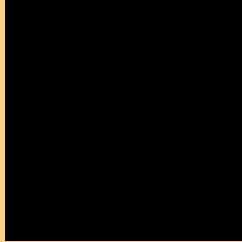
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.6918, 0.4030, 0.4008

Background



This preview shows how black text looks on a background with the Yxy color 67.6918, 0.4030, 0.4008.



This preview shows how white text looks on a background with the Yxy color 67.6918, 0.4030, 0.4008.

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

67.6918, 0.4030, 0.4008

Protanopia

67.9868, 0.3803, 0.4106

Deuteranopia

67.5092, 0.3962, 0.3900



Tritanopia

67.8374, 0.3463, 0.3168

Trichromacy



Original Color

67.6918, 0.4030, 0.4008

Protanomaly

67.8283, 0.3887, 0.4068

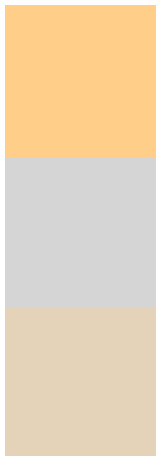
Deuteranomaly

67.3858, 0.3991, 0.3940

Tritanomaly

67.4747, 0.3678, 0.3478

Monochromacy



Original Color

67.6918, 0.4030, 0.4008

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.5853, 0.3443, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6918, 0.4030, 0.4008 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, 207, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 137)  
}
```

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, 207, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 137) }
```

Border

The CSS property to change the border of an element to Yxy 67.6918, 0.4030, 0.4008 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, 207, 137) }
```

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

```
.border{ border-color:rgb(255, 207, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6918, 0.4030, 0.4008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 137) }
```

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

```
.background{ background-color: rgb(255,  
207, 137) }
```

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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