

Converting Colors

$Y_{xy}(71.4376, 0.4158, 0.4019)$

Have a look what the booklet for
Yxy(71.4376, 0.4158, 0.4019)
contains.

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Color

Yxy(68.5822, 0.4041, 0.4055)

Conversions

Conversions Part 1

Format	Color
Hex	FFD186
RGB	255, 209, 134
RGB Percent	100%, 82%, 53%
CMY	0.0000, 0.1804, 0.4744
CMYK	0.00, 0.18, 0.47, 0.00
HSL	37°, 100%, 76%
HSV	37°, 47%, 100%
XYZ	68.3454, 68.5822, 32.2023
YIQ	214.2040, 51.4910, -13.5730

Conversions

Conversions Part 2

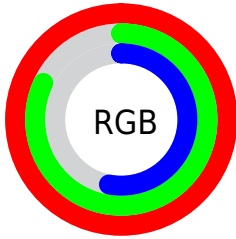
Format	Color
R _Y B	208, 255, 134
Decimal	16765318
CIE Lab	86.30, 7.01, 43.12
CIE LCh	86, 43.689, 80.763
Yxy	68.5822, 0.4041, 0.4055
Android (android.graphics.Color)	4294955398 (0xFFFFD186)
YUV	214.2040, -39.5406, 35.7781
Hunter-Lab	82.8144, 2.3881, 34.9152

Details

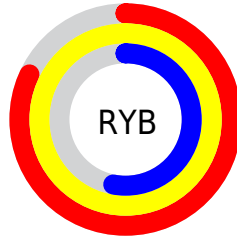
The Yxy color **68.5822, 0.4041, 0.4055** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.9465, 0.2326, 0.2364**, and the grayscale version is **67.6390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **35.8030, 0.4239, 0.4210** is the 20% darker color. If you saturate the color by 10%, you get **63.3432, 0.4270, 0.4195**, and if you desaturate by 10%, it is **74.2889, 0.3819, 0.3897**.

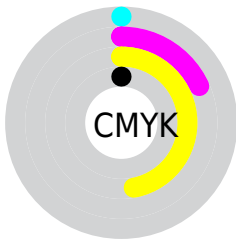
Distribution



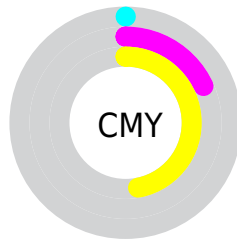
- Red (100%)
- Green (82%)
- Blue (53%)



- Red (82%)
- 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 68.5822, 0.4041, 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 68.5822, 0.4041, 0.4055 by changing the saturation by 10% instead.

 68.5822, 0.4041,
0.4055

 68.5822, 0.4041,
0.4055


455.5560, 0.3622,
0.3715


 50.3715, 0.4133,
0.4126


 117.1846, 0.3898,
0.3942

 35.7087, 0.4244,
0.4210


 148.3452, 0.3841,
0.3896

 24.2093, 0.4378,
0.4309


 184.5912, 0.3792,
0.3856

 15.4890, 0.4543,
0.4424

226.3069, 0.3750,
0.3821

 9.1633, 0.4744,
0.4552

273.8769, 0.3712,
0.3790

 4.8478, 0.5077,
0.4770

327.6855, 0.3678,

 2.1583, 0.5241,

0.3762

0.4759

388.1171, 0.3648,
0.3738

0.6971, 0.5446,
0.4554

0.0000, 0.0000,
0.0000

68.5822, 0.4041,
0.4055

68.5822, 0.4041,
0.4055

63.3432, 0.4270,
0.4195

74.2889, 0.3819,
0.3897

58.5444, 0.4497,
0.4306

80.4697, 0.3610,
0.3731

54.1696, 0.4709,
0.4376

87.1431, 0.3418,
0.3565

50.1966, 0.4895,
0.4395

94.3233, 0.3244,
0.3404

■ 46.5981, 0.5047, 99.9999, 0.3127,
0.4360 0.3290

■ 45.7269, 0.5083,
0.4346

Harmonies

Analogous

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



68.5822, 0.4201, 0.3683



68.5822, 0.4041, 0.4055



68.5822, 0.3637, 0.4259

Triad

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



68.5822, 0.4041, 0.4055



68.5822, 0.2282, 0.3214



68.5822, 0.3065, 0.2583

Complementary

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



68.5822, 0.4041, 0.4055



44.9465, 0.2326, 0.2364

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.



68.5822, 0.2578, 0.2446



68.5822, 0.4041, 0.4055



68.5822, 0.2159, 0.2758

Square

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



68.5822, 0.4041, 0.4055



68.5822, 0.2622, 0.3757



68.5822, 0.2262, 0.2497



68.5822, 0.3612, 0.2872

Rectangle

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



68.5822, 0.4041, 0.4055



68.5822, 0.3293, 0.4235



68.5822, 0.2262, 0.2497



68.5822, 0.2889, 0.2518

Sweetspot

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



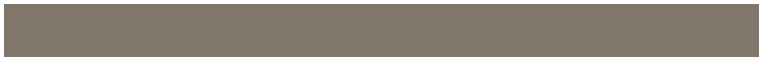
68.5855, 0.4041, 0.4055



89.5531, 0.3356, 0.3509



41.6321, 0.3921, 0.2812



18.8427, 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.



68.5855, 0.4041, 0.4055



63.5629, 0.4260, 0.4190



91.9228, 0.3731, 0.4495



19.8623, 0.3279, 0.3437



24.1907, 0.5064, 0.4361



2.5664, 0.4938, 0.4461

Inverse Universe

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



44.9465, 0.2326, 0.2364



37.3931, 0.2163, 0.2136



30.5901, 0.2312, 0.1822



18.5097, 0.2979, 0.3139



8.5010, 0.1667, 0.1202



1.0305, 0.1730, 0.1426

Previews

White Background



This preview shows how the Yxy color 68.5822, 0.4041, 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 68.5822, 0.4041, 0.4055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

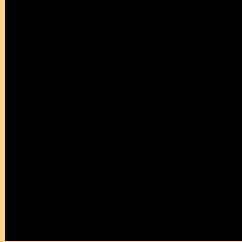
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.5822, 0.4041, 0.4055

Background



This preview shows how black text looks on a background with the Yxy color 68.5822, 0.4041, 0.4055.



This preview shows how white text looks on a background with the Yxy color 68.5822, 0.4041, 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

68.5822, 0.4041, 0.4055

Protanopia

68.5800, 0.3827, 0.4144

Deuteranopia

68.5738, 0.3931, 0.3889



Tritanopia

68.4074, 0.3445, 0.3158

Trichromacy



Original Color

68.5822, 0.4041, 0.4055

Protanomaly

68.2433, 0.3904, 0.4107

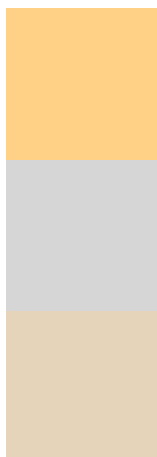
Deuteranomaly

68.3854, 0.3975, 0.3949

Tritanomaly

68.4678, 0.3665, 0.3488

Monochromacy



Original Color

68.5822, 0.4041, 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 68.5822, 0.4041, 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, 209, 134)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 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, 209, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 134) }
```

Border

The CSS property to change the border of an element to Yxy 68.5822, 0.4041, 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, 209, 134) }
```

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

```
.border{ border-color:rgb(255, 209, 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, 209, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 134);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5822, 0.4041, 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, 209, 134) }
```

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

```
.background{ background-color: rgb(255,  
209, 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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