

Converting Colors

$Y_{xy}(71.5531, 0.4139, 0.4010)$

Have a look what the booklet for
Yxy(71.5531, 0.4139, 0.4010)
contains.

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Color

Yxy(68.6385, 0.4027, 0.4036)

Conversions

Conversions Part 1

Format	Color
Hex	FFD188
RGB	255, 209, 136
RGB Percent	100%, 82%, 53%
CMY	0.0000, 0.1804, 0.4666
CMYK	0.00, 0.18, 0.47, 0.00
HSL	37°, 100%, 77%
HSV	37°, 47%, 100%
XYZ	68.4854, 68.6385, 32.9417
YIQ	214.4320, 50.8490, -12.9510

Conversions

Conversions Part 2

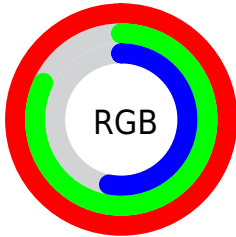
Format	Color
R _Y B	211, 255, 136
Decimal	16765320
CIE Lab	86.32, 7.20, 42.16
CIE LCh	86, 42.768, 80.311
Yxy	68.6385, 0.4027, 0.4036
Android (android.graphics.Color)	4294955400 (0xFFFFD188)
YUV	214.4320, -38.6670, 35.5781
Hunter-Lab	82.8484, 2.5699, 34.4193

Details

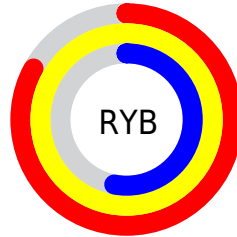
The Yxy color **68.6385, 0.4027, 0.4036** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.9213, 0.2341, 0.2392**, and the grayscale version is **67.7948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **35.8343, 0.4222, 0.4188** is the 20% darker color. If you saturate the color by 10%, you get **63.3118, 0.4258, 0.4177**, and if you desaturate by 10%, it is **74.4435, 0.3804, 0.3878**.

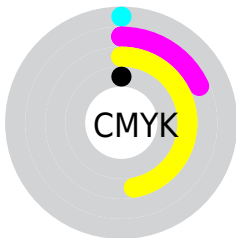
Distribution



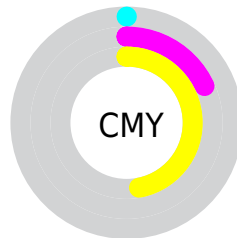
- Red (100%)
- Green (82%)
- Blue (53%)



- Red (83%)
- 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 68.6385, 0.4027, 0.4036 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 68.6385, 0.4027, 0.4036 by changing the saturation by 10% instead.


 68.6385, 0.4027,
0.4036


 68.6385, 0.4027,
0.4036


455.7549, 0.3613,
0.3704


 50.4174, 0.4118,
0.4106

 117.2651, 0.3886,
0.3925

 35.7451, 0.4228,
0.4188


 148.4393, 0.3830,
0.3881

 24.2374, 0.4362,
0.4285


 184.7001, 0.3782,
0.3842

 15.5098, 0.4526,
0.4399

226.4317, 0.3739,
0.3808

 9.1780, 0.4728,
0.4527

274.0186, 0.3702,
0.3777

 4.8575, 0.5050,
0.4730

327.8452, 0.3669,

 2.1639, 0.5251,

0.3750

0.4749

388.2958, 0.3640,
0.3726

0.7002, 0.5458,
0.4542

0.0000, 0.0000,
0.0000

68.6385, 0.4027,
0.4036

68.6385, 0.4027,
0.4036

63.3118, 0.4258,
0.4177

74.4435, 0.3804,
0.3878

58.4359, 0.4488,
0.4289

80.7334, 0.3595,
0.3714

53.9944, 0.4705,
0.4361

87.5270, 0.3404,
0.3550

49.9652, 0.4897,
0.4383

94.8386, 0.3232,
0.3391

■ 46.3215, 0.5053,
0.4350

99.9996, 0.3127,
0.3290

■ 45.1770, 0.5101,
0.4332

Harmonies

Analogous

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



68.6385, 0.4178, 0.3671



68.6385, 0.4027, 0.4036



68.6385, 0.3634, 0.4237

Triad

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



68.6385, 0.4027, 0.4036



68.6385, 0.2302, 0.3224



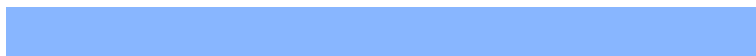
68.6385, 0.3059, 0.2593

Complementary

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



68.6385, 0.4027, 0.4036



45.9213, 0.2341, 0.2392

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.



68.6385, 0.2584, 0.2461



68.6385, 0.4027, 0.4036



68.6385, 0.2177, 0.2775

Square

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



68.6385, 0.4027, 0.4036



68.6385, 0.2639, 0.3754



68.6385, 0.2276, 0.2515



68.6385, 0.3594, 0.2876

Rectangle

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



68.6385, 0.4027, 0.4036



68.6385, 0.3299, 0.4215



68.6385, 0.2276, 0.2515



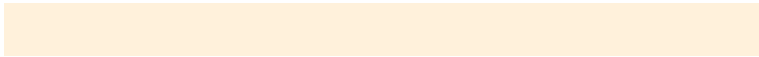
68.6385, 0.2887, 0.2530

Sweetspot

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



68.6418, 0.4027, 0.4036



89.4186, 0.3356, 0.3507



42.3209, 0.3880, 0.2799



18.8099, 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.



68.6418, 0.4027, 0.4036



63.6479, 0.4243, 0.4168



92.3697, 0.3736, 0.4470



19.8423, 0.3279, 0.3436



23.9048, 0.5082, 0.4347



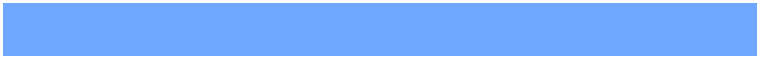
2.5396, 0.4953, 0.4449

Inverse Universe

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



45.9213, 0.2341, 0.2392



38.4640, 0.2182, 0.2172



31.1255, 0.2315, 0.1845



18.5292, 0.2979, 0.3140



8.6616, 0.1672, 0.1220



1.0475, 0.1735, 0.1444

Previews

White Background



This preview shows how the Yxy color 68.6385, 0.4027, 0.4036 looks on a white background.

Color Contrast Check

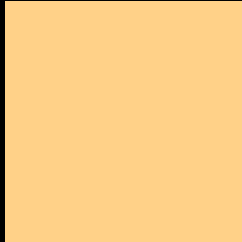
Large Text (above 18pt) WCAG AA × Fail

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 68.6385, 0.4027, 0.4036 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 68.6385, 0.4027, 0.4036

Background



This preview shows how black text looks on a background with the Yxy color 68.6385, 0.4027, 0.4036.



This preview shows how white text looks on a background with the Yxy color 68.6385, 0.4027, 0.4036.

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

68.6385, 0.4027, 0.4036

Protanopia

68.6380, 0.3814, 0.4124

Deuteranopia

68.6061, 0.3923, 0.3879



Tritanopia

68.4074, 0.3445, 0.3158

Trichromacy



Original Color

68.6385, 0.4027, 0.4036

Protanomaly

68.3007, 0.3890, 0.4087

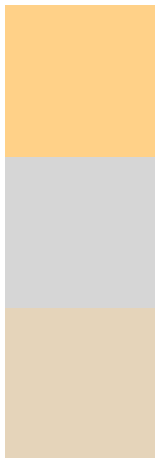
Deuteranomaly

68.4471, 0.3960, 0.3929

Tritanomaly

68.4678, 0.3665, 0.3488

Monochromacy



Original Color

68.6385, 0.4027, 0.4036

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.2902, 0.3442, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6385, 0.4027, 0.4036 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 136) }
```

Border

The CSS property to change the border of an element to Yxy 68.6385, 0.4027, 0.4036 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, 136) }
```

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

```
.border{ border-color:rgb(255, 209, 136) }
```

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, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 209, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 209, 136); box-shadow:4px 4px 4px 4px rgb(255, 209, 136) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6385, 0.4027, 0.4036 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, 136) }
```

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

```
.background{ background-color: rgb(255,  
209, 136) }
```

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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