

Converting Colors

$Y_{xy}(81.0132, 0.4573, 0.3761)$

Have a look what the booklet for
Yxy(81.0132, 0.4573, 0.3761)
contains.

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Color

Yxy(64.5215, 0.4027, 0.3891)

Conversions

Conversions Part 1

Format	Color
Hex	FFC88E
RGB	255, 200, 142
RGB Percent	100%, 78%, 56%
CMY	0.0000, 0.2157, 0.4431
CMYK	0.00, 0.22, 0.44, 0.00
HSL	31°, 100%, 78%
HSV	31°, 44%, 100%
XYZ	66.7767, 64.5215, 34.5242
YIQ	209.8330, 51.3980, -6.3780

Conversions

Conversions Part 2

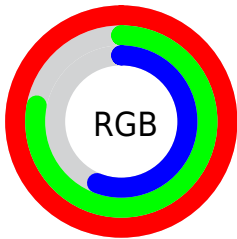
Format	Color
R _Y B	249, 255, 142
Decimal	16763022
CIE Lab	84.24, 12.44, 36.44
CIE LCh	84, 38.506, 71.152
Yxy	64.5215, 0.4027, 0.3891
Android (android.graphics.Color)	4294953102 (0xFFFFC88E)
YUV	209.8330, -33.4417, 39.6115
Hunter-Lab	80.3253, 7.8229, 30.7445

Details

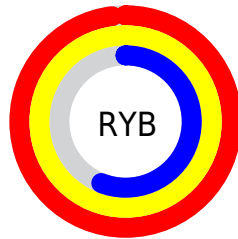
The Yxy color **64.5215, 0.4027, 0.3891** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.8996, 0.2407, 0.2589**, and the grayscale version is **64.5334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7655, 0.3478, 0.3870**, and **33.0489, 0.4238, 0.4010** is the 20% darker color. If you saturate the color by 10%, you get **58.3269, 0.4289, 0.4014**, and if you desaturate by 10%, it is **71.3639, 0.3784, 0.3755**.

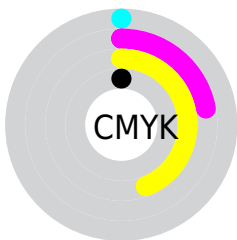
Distribution



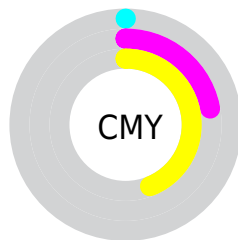
- Red (100%)
- Green (78%)
- Blue (56%)



- Red (98%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (22%)
- Yellow (44%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5215, 0.4027, 0.3891 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 64.5215, 0.4027, 0.3891 by changing the saturation by 10% instead.


 64.5215, 0.4027,
0.3891

 64.5215, 0.4027,
0.3891


441.0705, 0.3604,
0.3624

 47.0732, 0.4123,
0.3947


 111.3616, 0.3880,
0.3802

 33.0935, 0.4241,
0.4013


 141.5223, 0.3823,
0.3766

 22.1981, 0.4387,
0.4091


 176.6891, 0.3774,
0.3735

 14.0025, 0.4573,
0.4181

217.2466, 0.3731,
0.3708

 8.1224, 0.4812,
0.4282

263.5790, 0.3693,
0.3683

 4.1734, 0.5178,
0.4426

316.0709, 0.3660,

 1.7710, 0.5554,

0.3661

0.4446

375.1066, 0.3630,
0.3642

0.4690, 0.6151,
0.3849

0.0000, 0.0000,
0.0000

64.5215, 0.4027,
0.3891

64.5215, 0.4027,
0.3891

58.3269, 0.4289,
0.4014

71.3639, 0.3784,
0.3755

52.7480, 0.4561,
0.4113

78.8667, 0.3563,
0.3615

47.7627, 0.4830,
0.4175

87.0533, 0.3367,
0.3477

43.3432, 0.5079,
0.4186

95.9430, 0.3195,
0.3345

■ 39.4577, 0.5292,
0.4142

100.0000, 0.3127,
0.3290

■ 37.4661, 0.5396,
0.4097

Harmonies

Analogous

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



64.5215, 0.4079, 0.3532



64.5215, 0.4027, 0.3891



64.5215, 0.3725, 0.4129

Triad

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



64.5215, 0.4027, 0.3891



64.5215, 0.2442, 0.3381



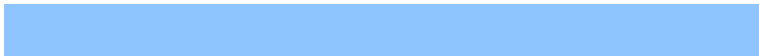
64.5215, 0.2920, 0.2590

Complementary

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



64.5215, 0.4027, 0.3891



52.8996, 0.2407, 0.2589

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.



64.5215, 0.2520, 0.2518



64.5215, 0.4027, 0.3891



64.5215, 0.2261, 0.2930

Square

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



64.5215, 0.4027, 0.3891



64.5215, 0.2807, 0.3846



64.5215, 0.2289, 0.2629



64.5215, 0.3411, 0.2814

Rectangle

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



64.5215, 0.4027, 0.3891



64.5215, 0.3434, 0.4163



64.5215, 0.2289, 0.2629



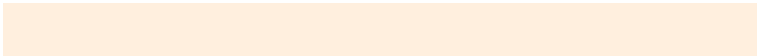
64.5215, 0.2771, 0.2547

Sweetspot

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



64.5245, 0.4027, 0.3891



88.1811, 0.3343, 0.3459



44.7059, 0.3707, 0.2709



18.4705, 0.3384, 0.3489



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.



64.5245, 0.4027, 0.3891



59.1056, 0.4254, 0.3999



94.7330, 0.3788, 0.4382



19.5291, 0.3281, 0.3412



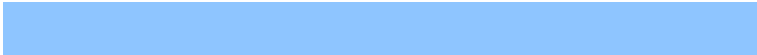
19.8771, 0.5371, 0.4117



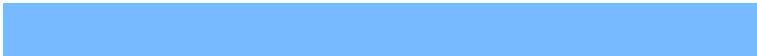
2.1542, 0.5201, 0.4253

Inverse Universe

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



52.8996, 0.2407, 0.2589



46.1613, 0.2269, 0.2421



32.3162, 0.2287, 0.1901



18.8371, 0.2979, 0.3165



11.6143, 0.1758, 0.1529



1.3486, 0.1816, 0.1739

Previews

White Background



This preview shows how the Yxy color 64.5215, 0.4027, 0.3891 looks on a white background.

Color Contrast Check

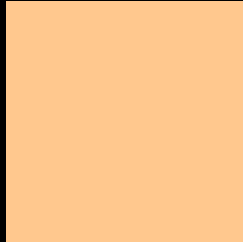
Large Text (above 18pt) WCAG AA × Fail

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 64.5215, 0.4027, 0.3891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

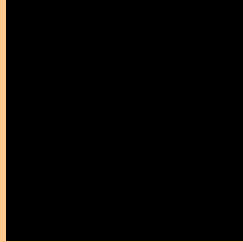
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5215, 0.4027, 0.3891

Background



This preview shows how black text looks on a background with the Yxy color 64.5215, 0.4027, 0.3891.



This preview shows how white text looks on a background with the Yxy color 64.5215, 0.4027, 0.3891.

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

64.5215, 0.4027, 0.3891

Protanopia

64.4994, 0.3724, 0.4009

Deuteranopia

64.4217, 0.3998, 0.3907



Tritanopia

64.3486, 0.3523, 0.3157

Trichromacy



Original Color

64.5215, 0.4027, 0.3891

Protanomaly

64.1915, 0.3829, 0.3957

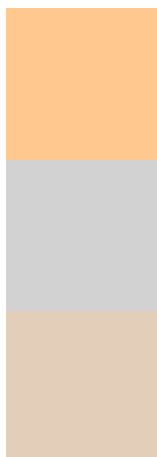
Deuteranomaly

64.6089, 0.4006, 0.3905

Tritanomaly

64.1588, 0.3714, 0.3427

Monochromacy



Original Color

64.5215, 0.4027, 0.3891

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

63.8141, 0.3437, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5215, 0.4027, 0.3891 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, 200, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 142)  
}
```

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, 200, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 142) }
```

Border

The CSS property to change the border of an element to Yxy 64.5215, 0.4027, 0.3891 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, 200, 142) }
```

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

```
.border{ border-color:rgb(255, 200, 142) }
```

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

Here you see how a box with a 4 pixel rgb(255, 200, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5215, 0.4027, 0.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 142) }
```

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

```
.background{ background-color: rgb(255,  
200, 142) }
```

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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