

Converting Colors

$Y_{xy}(100.0000, 0.4926, 0.3825)$

Have a look what the booklet for
Yxy(100.0000, 0.4926, 0.3825)
contains.

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Color

Yxy(68.8855, 0.4084, 0.4130)

Conversions

Conversions Part 1

Format	Color
Hex	FFD27F
RGB	255, 210, 127
RGB Percent	100%, 82%, 50%
CMY	0.0000, 0.1764, 0.5019
CMYK	0.00, 0.18, 0.50, 0.00
HSL	39°, 100%, 75%
HSV	39°, 50%, 100%
XYZ	68.1183, 68.8855, 29.7892
YIQ	213.9930, 53.4630, -16.2730

Conversions

Conversions Part 2

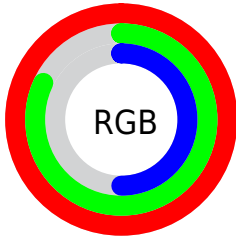
Format	Color
R_{YB}	196, 255, 127
Decimal	16765567
CIE _{Lab}	86.45, 5.87, 46.80
CIE _{LCh}	86, 47.163, 82.854
Yxy	68.8855, 0.4084, 0.4130
Android (android.graphics.Color)	4294955647 (0xFFFFD27F)
YUV	213.9930, -42.8875, 35.9631
Hunter-Lab	82.9973, 1.2548, 36.8179

Details

The Yxy color **68.8855, 0.4084, 0.4130** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **41.2421, 0.2269, 0.2251**, and the grayscale version is **67.5101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **36.0345, 0.4286, 0.4295** is the 20% darker color. If you saturate the color by 10%, you get **64.0021, 0.4303, 0.4269**, and if you desaturate by 10%, it is **74.1916, 0.3867, 0.3969**.

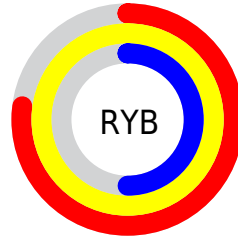
Distribution



Red (100%)

Green (82%)

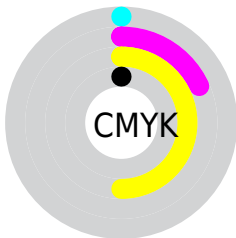
Blue (50%)



Red (77%)

Yellow (100%)

Blue (50%)

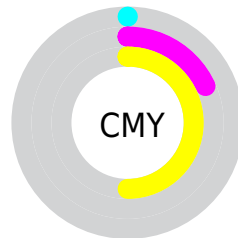


Cyan (0%)

Magenta (18%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8855, 0.4084, 0.4130 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 68.8855, 0.4084, 0.4130 by changing the saturation by 10% instead.


 68.8855, 0.4084,
0.4130

 68.8855, 0.4084,
0.4130

456.6270, 0.3648,
0.3758


 50.6185, 0.4178,
0.4207


 117.6180, 0.3937,
0.4007

 35.9051, 0.4290,
0.4297


 148.8523, 0.3878,
0.3957

 24.3609, 0.4425,
0.4403

 185.1778, 0.3827,
0.3913

 15.6015, 0.4587,
0.4523

226.9789, 0.3782,
0.3875

 9.2426, 0.4777,
0.4654

274.6399, 0.3743,
0.3841

 4.8998, 0.5110,
0.4890

328.5454, 0.3708,

 2.1886, 0.5181,

0.3810

0.4819

389.0796, 0.3677,
0.3783

0.7138, 0.5351,
0.4649

0.0000, 0.0000,
0.0000

68.8855, 0.4084,
0.4130

68.8855, 0.4084,
0.4130

64.0021, 0.4303,
0.4269

74.1916, 0.3867,
0.3969

59.5147, 0.4515,
0.4376

79.9262, 0.3659,
0.3798

55.4077, 0.4708,
0.4437

86.1070, 0.3466,
0.3625

51.6590, 0.4871,
0.4448

92.7474, 0.3289,
0.3455

■ 48.2974, 0.5001,
0.4411

99.8603, 0.3130,
0.3293

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



68.8855, 0.4282, 0.3735



68.8855, 0.4084, 0.4130



68.8855, 0.3633, 0.4341

Triad

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



68.8855, 0.4084, 0.4130



68.8855, 0.2204, 0.3164



68.8855, 0.3099, 0.2551

Complementary

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



68.8855, 0.4084, 0.4130



41.2421, 0.2269, 0.2251

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.



68.8855, 0.2569, 0.2392



68.8855, 0.4084, 0.4130



68.8855, 0.2091, 0.2688

Square

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



68.8855, 0.4084, 0.4130



68.8855, 0.2550, 0.3755



68.8855, 0.2218, 0.2429



68.8855, 0.3688, 0.2868

Rectangle

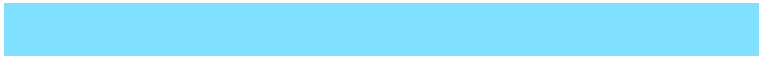
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8855, 0.4084, 0.4130



68.8855, 0.3261, 0.4302



68.8855, 0.2218, 0.2429



68.8855, 0.2907, 0.2479

Sweetspot

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



68.8887, 0.4084, 0.4130



89.4951, 0.3372, 0.3536



39.4966, 0.4015, 0.2809



18.8578, 0.3410, 0.3572



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.



68.8887, 0.4084, 0.4130



64.0911, 0.4299, 0.4267



91.2187, 0.3745, 0.4566



19.9529, 0.3278, 0.3444



25.5276, 0.4984, 0.4424



2.6910, 0.4870, 0.4515

Inverse Universe

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



41.2421, 0.2269, 0.2251



33.7509, 0.2101, 0.2004



28.3393, 0.2271, 0.1732



18.4223, 0.2979, 0.3131



7.8150, 0.1645, 0.1123



0.9570, 0.1708, 0.1347

Previews

White Background



This preview shows how the Yxy color 68.8855, 0.4084, 0.4130 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 68.8855, 0.4084, 0.4130 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 68.8855, 0.4084, 0.4130

Background



This preview shows how black text looks on a background with the Yxy color 68.8855, 0.4084, 0.4130.



This preview shows how white text looks on a background with the Yxy color 68.8855, 0.4084, 0.4130.

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

68.8855, 0.4084, 0.4130

Protanopia

69.2152, 0.3892, 0.4229

Deuteranopia

69.0629, 0.3926, 0.3899



Tritanopia

68.8782, 0.3444, 0.3169

Trichromacy



Original Color

68.8855, 0.4084, 0.4130

Protanomaly

68.8847, 0.3969, 0.4190

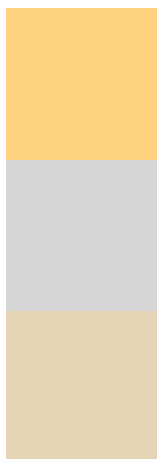
Deuteranomaly

68.8139, 0.3984, 0.3978

Tritanomaly

68.8215, 0.3686, 0.3530

Monochromacy



Original Color

68.8855, 0.4084, 0.4130

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.6239, 0.3469, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8855, 0.4084, 0.4130 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, 210, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 127)  
}
```

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, 210, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 127) }
```

Border

The CSS property to change the border of an element to Yxy 68.8855, 0.4084, 0.4130 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, 210, 127) }
```

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

```
.border{ border-color:rgb(255, 210, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8855, 0.4084, 0.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 127) }
```

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

```
.background{ background-color: rgb(255,  
210, 127) }
```

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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