

Converting Colors

$Y_{xy}(66.0856, 0.4056, 0.3821)$

Have a look what the booklet for
Yxy(66.0856, 0.4056, 0.3821)
contains.

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Color

Yxy(64.6751, 0.3989, 0.3841)

Conversions

Conversions Part 1

Format	Color
Hex	FFC893
RGB	255, 200, 147
RGB Percent	100%, 78%, 58%
CMY	0.0000, 0.2157, 0.4236
CMYK	0.00, 0.22, 0.42, 0.00
HSL	29°, 100%, 79%
HSV	29°, 42%, 100%
XYZ	67.1671, 64.6751, 36.5387
YIQ	210.4030, 49.7930, -4.8230

Conversions

Conversions Part 2

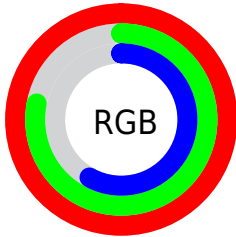
Format	Color
R _Y B	255, 251, 147
Decimal	16763027
CIE Lab	84.32, 12.96, 33.98
CIE LCh	84, 36.364, 69.119
Yxy	64.6751, 0.3989, 0.3841
Android (android.graphics.Color)	4294953107 (0xFFFFC893)
YUV	210.4030, -31.2577, 39.1116
Hunter-Lab	80.4208, 8.3460, 29.3566

Details

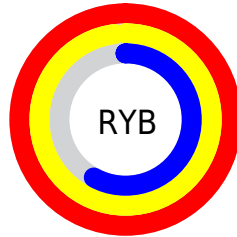
The Yxy color $64.6751, 0.3989, 0.3841$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $55.6552, 0.2444, 0.2657$, and the grayscale version is $64.9086, 0.3127, 0.3290$.

A 20% lighter version of the original color is $96.9970, 0.3448, 0.3820$, and $33.1381, 0.4190, 0.3950$ is the 20% darker color. If you saturate the color by 10%, you get $58.1979, 0.4255, 0.3962$, and if you desaturate by 10%, it is $71.8360, 0.3745, 0.3709$.

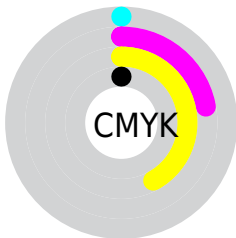
Distribution



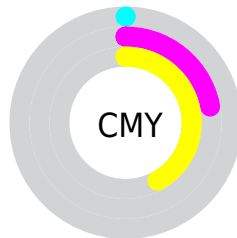
- Red (100%)
- Green (78%)
- Blue (58%)



- Red (100%)
- Yellow (98%)
- Blue (58%)



- Cyan (0%)
- Magenta (22%)
- Yellow (42%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6751, 0.3989, 0.3841 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 64.6751, 0.3989, 0.3841 by changing the saturation by 10% instead.


 64.6751, 0.3989,
0.3841


 64.6751, 0.3989,
0.3841


441.6235, 0.3583,
0.3596

 47.1977, 0.4082,
0.3893


 111.5826, 0.3848,
0.3759

 33.1920, 0.4196,
0.3954


 141.7815, 0.3793,
0.3726

 22.2735, 0.4339,
0.4026


176.9897, 0.3745,
0.3698

 14.0580, 0.4522,
0.4112

217.5915, 0.3704,
0.3672

 8.1610, 0.4760,
0.4208

263.9714, 0.3668,
0.3650

 4.1982, 0.5102,
0.4326

316.5138, 0.3636,

 1.7850, 0.5580,

0.3630

0.4420

375.6030, 0.3608,
0.3612

0.4778, 0.6173,
0.3827

0.0000, 0.0000,
0.0000

64.6751, 0.3989,
0.3841

64.6751, 0.3989,
0.3841

58.1979, 0.4255,
0.3962

71.8360, 0.3745,
0.3709

52.3867, 0.4535,
0.4062

79.7104, 0.3526,
0.3575

47.2128, 0.4817,
0.4127

88.3177, 0.3333,
0.3443

42.6472, 0.5083,
0.4144

97.6785, 0.3164,
0.3318

■ 38.6569, 0.5314,
0.4106

100.0000, 0.3127,
0.3290

■ 35.9660, 0.5464,
0.4044

Harmonies

Analogous

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



64.6751, 0.4018, 0.3497



64.6751, 0.3989, 0.3841



64.6751, 0.3719, 0.4074

Triad

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



64.6751, 0.3989, 0.3841



64.6751, 0.2498, 0.3408



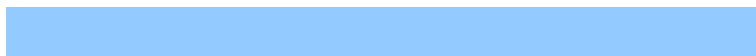
64.6751, 0.2903, 0.2616

Complementary

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



64.6751, 0.3989, 0.3841



55.6552, 0.2444, 0.2657

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.



64.6751, 0.2532, 0.2560



64.6751, 0.3989, 0.3841



64.6751, 0.2311, 0.2978

Square

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



64.6751, 0.3989, 0.3841



64.6751, 0.2854, 0.3838



64.6751, 0.2324, 0.2679



64.6751, 0.3364, 0.2821

Rectangle

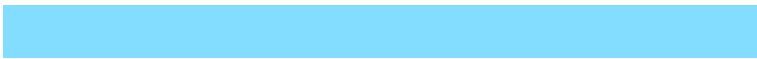
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.6751, 0.3989, 0.3841



64.6751, 0.3449, 0.4114



64.6751, 0.2324, 0.2679



64.6751, 0.2764, 0.2579

Sweetspot

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



64.6728, 0.3989, 0.3841



87.7448, 0.3344, 0.3452



46.4234, 0.3653, 0.2717



18.3629, 0.3385, 0.3480



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.



64.6728, 0.3989, 0.3841



59.0391, 0.4218, 0.3947



93.7427, 0.3768, 0.4324



19.4592, 0.3282, 0.3407



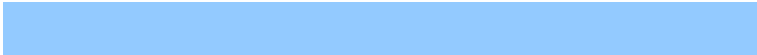
19.0902, 0.5438, 0.4064



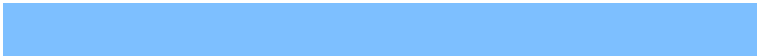
2.0767, 0.5258, 0.4207

Inverse Universe

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



55.6552, 0.2444, 0.2657



48.9129, 0.2307, 0.2499



34.8471, 0.2333, 0.1993



18.9070, 0.2979, 0.3170



12.3934, 0.1779, 0.1605



1.4254, 0.1836, 0.1808

Previews

White Background



This preview shows how the Yxy color 64.6751, 0.3989, 0.3841 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 64.6751, 0.3989, 0.3841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

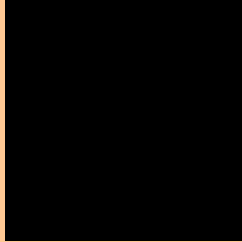
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6751, 0.3989, 0.3841

Background



This preview shows how black text looks on a background with the Yxy color 64.6751, 0.3989, 0.3841.



This preview shows how white text looks on a background with the Yxy color 64.6751, 0.3989, 0.3841.

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

64.6751, 0.3989, 0.3841

Protanopia

64.6584, 0.3688, 0.3953

Deuteranopia

64.8569, 0.3947, 0.3868



Tritanopia

64.7952, 0.3521, 0.3168

Trichromacy



Original Color

64.6751, 0.3989, 0.3841

Protanomaly

64.3491, 0.3792, 0.3904

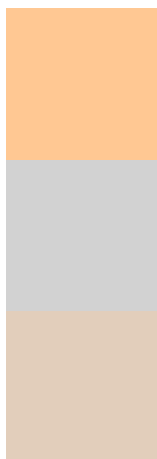
Deuteranomaly

64.5753, 0.3959, 0.3856

Tritanomaly

64.6953, 0.3695, 0.3417

Monochromacy



Original Color

64.6751, 0.3989, 0.3841

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

63.8992, 0.3422, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6751, 0.3989, 0.3841 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, 147)` looks like.

```
.text, #text, p{  
  color:rgb(255, 200, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 147) }
```

Border

The CSS property to change the border of an element to Yxy 64.6751, 0.3989, 0.3841 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, 147) }
```

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

```
.border{ border-color:rgb(255, 200, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6751, 0.3989, 0.3841 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, 147) }
```

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

```
.background{ background-color: rgb(255,  
200, 147) }
```

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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