

Converting Colors

$Y_{xy}(64.8288, 0.4004, 0.3868)$

Have a look what the booklet for
Yxy(64.8288, 0.4004, 0.3868)
contains.

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Color

Yxy(64.6129, 0.4004, 0.3861)

Conversions

Conversions Part 1

Format	Color
Hex	FFC891
RGB	255, 200, 145
RGB Percent	100%, 78%, 57%
CMY	0.0000, 0.2157, 0.4314
CMYK	0.00, 0.22, 0.43, 0.00
HSL	30°, 100%, 78%
HSV	30°, 43%, 100%
XYZ	67.0060, 64.6129, 35.7287
YIQ	210.1750, 50.4350, -5.4450

Conversions

Conversions Part 2

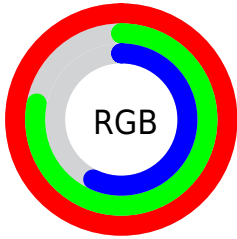
Format	Color
RYB	255, 255, 145
Decimal	16763025
CIELab	84.28, 12.74, 34.96
CIElCh	84, 37.206, 69.970
Yxy	64.6129, 0.4004, 0.3861
Android (android.graphics.Color)	4294953105 (0xFFFFC891)
YUV	210.1750, -32.1313, 39.3115
Hunter-Lab	80.3821, 8.1275, 29.9140

Details

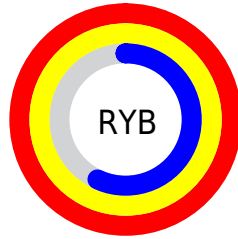
The Yxy color **64.6129, 0.4004, 0.3861** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.5478, 0.2429, 0.2630**, and the grayscale version is **64.7616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9035, 0.3460, 0.3840**, and **33.1017, 0.4210, 0.3974** is the 20% darker color. If you saturate the color by 10%, you get **58.2535, 0.4269, 0.3983**, and if you desaturate by 10%, it is **71.6465, 0.3760, 0.3727**.

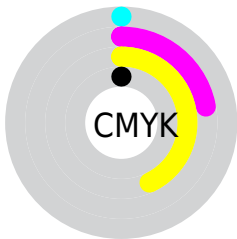
Distribution



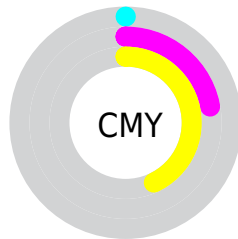
- Red (100%)
- Green (78%)
- Blue (57%)



- Red (100%)
- Yellow (100%)
- Blue (57%)



- Cyan (0%)
- Magenta (22%)
- Yellow (43%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6129, 0.4004, 0.3861 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 64.6129, 0.4004, 0.3861 by changing the saturation by 10% instead.


 64.6129, 0.4004,
0.3861


 64.6129, 0.4004,
0.3861


441.3996, 0.3591,
0.3607

 47.1473, 0.4098,
0.3914


 111.4931, 0.3860,
0.3776

 33.1521, 0.4214,
0.3978


 141.6765, 0.3805,
0.3742

 22.2430, 0.4358,
0.4052


176.8680, 0.3757,
0.3713

 14.0355, 0.4542,
0.4140

217.4518, 0.3715,
0.3686

 8.1454, 0.4781,
0.4238

263.8126, 0.3678,
0.3663

 4.1881, 0.5131,
0.4365

316.3345, 0.3646,

 1.7793, 0.5569,

0.3643

0.4431

375.4020, 0.3617,
0.3624

0.4743, 0.6163,
0.3837

0.0000, 0.0000,
0.0000

64.6129, 0.4004,
0.3861

64.6129, 0.4004,
0.3861

58.2535, 0.4269,
0.3983

71.6465, 0.3760,
0.3727

52.5366, 0.4546,
0.4083

79.3689, 0.3541,
0.3590

47.4390, 0.4823,
0.4146

87.8038, 0.3346,
0.3456

42.9321, 0.5082,
0.4161

96.9713, 0.3176,
0.3328

■ 38.9836, 0.5305, 100.0000, 0.3127,
0.4121 0.3290

■ 36.5704, 0.5436,
0.4066

Harmonies

Analogous

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



64.6129, 0.4042, 0.3511



64.6129, 0.4004, 0.3861



64.6129, 0.3722, 0.4096

Triad

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



64.6129, 0.4004, 0.3861



64.6129, 0.2475, 0.3397



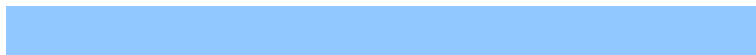
64.6129, 0.2910, 0.2605

Complementary

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



64.6129, 0.4004, 0.3861



54.5478, 0.2429, 0.2630

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.



64.6129, 0.2527, 0.2543



64.6129, 0.4004, 0.3861



64.6129, 0.2291, 0.2958

Square

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



64.6129, 0.4004, 0.3861



64.6129, 0.2835, 0.3841



64.6129, 0.2310, 0.2659



64.6129, 0.3383, 0.2819

Rectangle

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



64.6129, 0.4004, 0.3861



64.6129, 0.3443, 0.4133



64.6129, 0.2310, 0.2659



64.6129, 0.2768, 0.2566

Sweetspot

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



64.6155, 0.4004, 0.3861



87.9234, 0.3344, 0.3455



45.6821, 0.3685, 0.2724



18.4069, 0.3384, 0.3484



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.



64.6155, 0.4004, 0.3861



58.9432, 0.4238, 0.3970



94.8244, 0.3772, 0.4356



19.4878, 0.3282, 0.3409



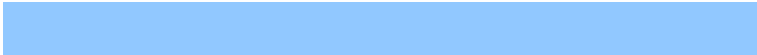
19.4074, 0.5410, 0.4086



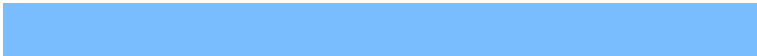
2.1080, 0.5235, 0.4226

Inverse Universe

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



54.5478, 0.2429, 0.2630



47.6513, 0.2289, 0.2464



33.4920, 0.2313, 0.1944



18.8783, 0.2979, 0.3168



12.0690, 0.1771, 0.1574



1.3935, 0.1828, 0.1779

Previews

White Background



This preview shows how the Yxy color 64.6129, 0.4004, 0.3861 looks on a white background.

Color Contrast Check

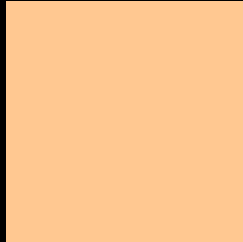
Large Text (above 18pt) WCAG AA × Fail

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 64.6129, 0.4004, 0.3861 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 64.6129, 0.4004, 0.3861

Background



This preview shows how black text looks on a background with the Yxy color 64.6129, 0.4004, 0.3861.



This preview shows how white text looks on a background with the Yxy color 64.6129, 0.4004, 0.3861.

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

64.6129, 0.4004, 0.3861

Protanopia

64.5940, 0.3702, 0.3976

Deuteranopia

64.3269, 0.3966, 0.3879



Tritanopia

64.7952, 0.3521, 0.3168

Trichromacy



Original Color

64.6129, 0.4004, 0.3861

Protanomaly

64.2853, 0.3807, 0.3925

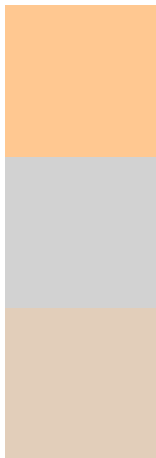
Deuteranomaly

64.5131, 0.3975, 0.3877

Tritanomaly

64.6532, 0.3703, 0.3427

Monochromacy



Original Color

64.6129, 0.4004, 0.3861

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

63.8565, 0.3430, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6129, 0.4004, 0.3861 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 145) }
```

Border

The CSS property to change the border of an element to Yxy 64.6129, 0.4004, 0.3861 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, 145) }
```

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

```
.border{ border-color:rgb(255, 200, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6129, 0.4004, 0.3861 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, 145) }
```

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

```
.background{ background-color: rgb(255,  
200, 145) }
```

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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