

Converting Colors

$Yxy(64.6894, 0.3943, 0.3776)$

Have a look what the booklet for
Yxy(64.6894, 0.3943, 0.3776)
contains.

Yxy(64.8685, 0.3942, 0.3780)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.8685, 0.3942, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	FFC899
RGB	255, 200, 153
RGB Percent	100%, 78%, 60%
CMY	0.0000, 0.2157, 0.4000
CMYK	0.00, 0.22, 0.40, 0.00
HSL	28°, 100%, 80%
HSV	28°, 40%, 100%
XYZ	67.6486, 64.8685, 39.0927
YIQ	211.0870, 47.8670, -2.9570

Conversions

Conversions Part 2

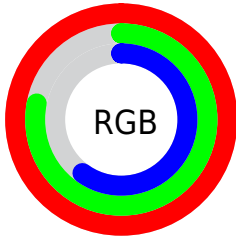
Format	Color
R_{YB}	255, 240, 153
Decimal	16763033
CIE _{Lab}	84.42, 13.59, 30.98
CIE _{LCh}	84, 33.833, 66.312
Yxy	64.8685, 0.3942, 0.3780
Android (android.graphics.Color)	4294953113 (0xFFFFC899)
YUV	211.0870, -28.6369, 38.5117
Hunter-Lab	80.5410, 8.9803, 27.6007

Details

The Yxy color **64.8685, 0.3942, 0.3780** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.1056, 0.2488, 0.2736**, and the grayscale version is **65.3702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **33.2331, 0.4140, 0.3888** is the 20% darker color. If you saturate the color by 10%, you get **58.0285, 0.4212, 0.3897**, and if you desaturate by 10%, it is **72.4614, 0.3697, 0.3655**.

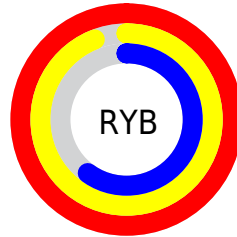
Distribution



Red (100%)

Green (78%)

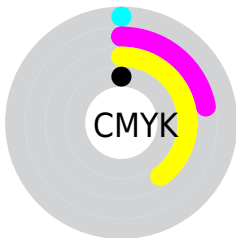
Blue (60%)



Red (100%)

Yellow (94%)

Blue (60%)

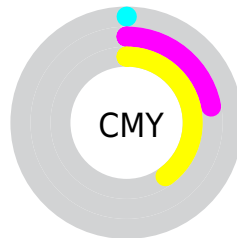


Cyan (0%)

Magenta (22%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8685, 0.3942, 0.3780 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 64.8685, 0.3942, 0.3780 by changing the saturation by 10% instead.


 64.8685, 0.3942,
0.3780


 64.8685, 0.3942,
0.3780


442.3193, 0.3557,
0.3562

 47.3545, 0.4031,
0.3826


 111.8608, 0.3808,
0.3707

 33.3160, 0.4140,
0.3881


 142.1078, 0.3755,
0.3678

 22.3686, 0.4278,
0.3947


177.3680, 0.3711,
0.3652

 14.1280, 0.4456,
0.4024

218.0256, 0.3672,
0.3630

 8.2097, 0.4691,
0.4114

264.4652, 0.3638,
0.3610

 4.2294, 0.5015,
0.4211

317.0710, 0.3608,

 1.8027, 0.5610,

0.3592

0.4390

376.2276, 0.3581,
0.3577

0.4889, 0.6197,
0.3803

0.0000, 0.0000,
0.0000

64.8685, 0.3942,
0.3780

64.8685, 0.3942,
0.3780

58.0285, 0.4212,
0.3897

72.4614, 0.3697,
0.3655

51.9148, 0.4502,
0.3996

80.8322, 0.3481,
0.3528

46.4988, 0.4799,
0.4064

90.0046, 0.3291,
0.3406

41.7493, 0.5086,
0.4087

100.0000, 0.3127,
0.3290

■ 37.6317, 0.5342,
0.4055

■ 34.0989, 0.5553,
0.3973

■ 34.0985, 0.5553,
0.3973

Harmonies

Analogous

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



64.8685, 0.3944, 0.3455



64.8685, 0.3942, 0.3780



64.8685, 0.3711, 0.4007

Triad

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



64.8685, 0.3942, 0.3780



64.8685, 0.2566, 0.3441



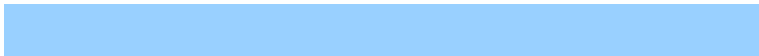
64.8685, 0.2882, 0.2648

Complementary

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



64.8685, 0.3942, 0.3780



59.1056, 0.2488, 0.2736

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.



64.8685, 0.2546, 0.2611



64.8685, 0.3942, 0.3780



64.8685, 0.2374, 0.3036

Square

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



64.8685, 0.3942, 0.3780



64.8685, 0.2911, 0.3828



64.8685, 0.2368, 0.2741



64.8685, 0.3308, 0.2828

Rectangle

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



64.8685, 0.3942, 0.3780



64.8685, 0.3467, 0.4055



64.8685, 0.2368, 0.2741



64.8685, 0.2756, 0.2618

Sweetspot

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



64.8685, 0.3942, 0.3780



88.1039, 0.3327, 0.3430



48.6518, 0.3580, 0.2715



18.5961, 0.3351, 0.3446



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.



64.8685, 0.3942, 0.3780



59.3368, 0.4156, 0.3875



91.8692, 0.3746, 0.4241



19.3663, 0.3283, 0.3400



18.1083, 0.5526, 0.3995



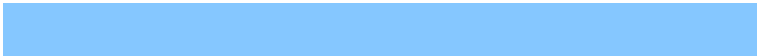
1.9788, 0.5335, 0.4146

Inverse Universe

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



59.1056, 0.2488, 0.2736



52.8379, 0.2363, 0.2601



38.4812, 0.2391, 0.2118



19.0005, 0.2979, 0.3178



13.4985, 0.1808, 0.1707



1.5330, 0.1861, 0.1901

Previews

White Background



This preview shows how the Yxy color 64.8685, 0.3942, 0.3780 looks on a white background.

Color Contrast Check

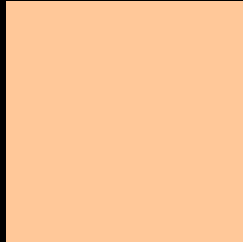
Large Text (above 18pt) WCAG AA × Fail

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 64.8685, 0.3942, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

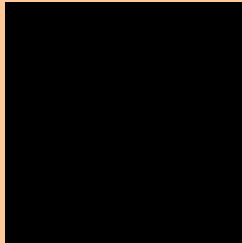
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.8685, 0.3942, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 64.8685, 0.3942, 0.3780.



This preview shows how white text looks on a background with the Yxy color 64.8685, 0.3942, 0.3780.

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

64.8685, 0.3942, 0.3780

Protanopia

65.2259, 0.3625, 0.3887

Deuteranopia

64.8650, 0.3892, 0.3808



Tritanopia

64.8443, 0.3513, 0.3157

Trichromacy



Original Color

64.8685, 0.3942, 0.3780

Protanomaly

65.0305, 0.3743, 0.3849

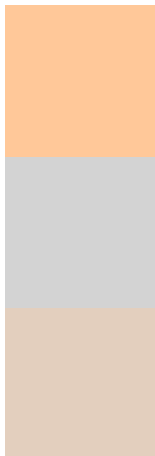
Deuteranomaly

64.7686, 0.3913, 0.3795

Tritanomaly

64.8233, 0.3670, 0.3385

Monochromacy



Original Color

64.8685, 0.3942, 0.3780

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

64.6742, 0.3406, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8685, 0.3942, 0.3780 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 153) }
```

Border

The CSS property to change the border of an element to Yxy 64.8685, 0.3942, 0.3780 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, 153) }
```

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

```
.border{ border-color:rgb(255, 200, 153) }
```

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, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8685, 0.3942, 0.3780 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, 153) }
```

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

```
.background{ background-color: rgb(255,  
200, 153) }
```

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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