

Converting Colors

$Y_{xy}(46.8682, 0.3812, 0.3934)$

Have a look what the booklet for
Yxy(46.8682, 0.3812, 0.3934)
contains.

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Color

Yxy(46.8943, 0.3814, 0.3940)

Conversions

Conversions Part 1

Format	Color
Hex	CEB37F
RGB	206, 179, 127
RGB Percent	81%, 70%, 50%
CMY	0.1923, 0.2980, 0.5020
CMYK	0.00, 0.13, 0.38, 0.19
HSL	40°, 45%, 65%
HSV	40°, 38%, 81%
XYZ	45.3946, 46.8943, 26.7321
YIQ	181.1450, 32.7840, -10.4480

Conversions

Conversions Part 2

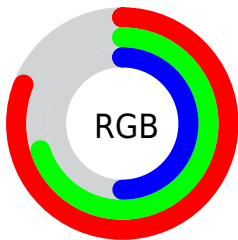
Format	Color
RYB	168, 206, 127
Decimal	13546367
CIELab	74.12, 2.38, 30.15
CIELCh	74, 30.243, 85.493
Yxy	46.8943, 0.3814, 0.3940
Android (android.graphics.Color)	4291736447 (0xFFCEB37F)
YUV	181.1450, -26.6935, 21.7978
Hunter-Lab	68.4794, -1.5123, 24.7907

Details

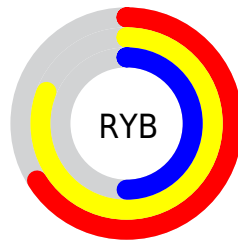
The Yxy color **46.8943, 0.3814, 0.3940** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.0499, 0.2487, 0.2536**, and the grayscale version is **46.4231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9719, 0.3626, 0.3845**, and **21.9416, 0.4000, 0.4105** is the 20% darker color. If you saturate the color by 10%, you get **43.6684, 0.4024, 0.4104**, and if you desaturate by 10%, it is **50.3778, 0.3614, 0.3767**.

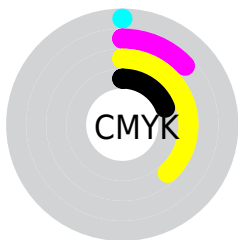
Distribution



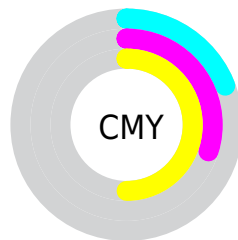
- Red (81%)
- Green (70%)
- Blue (50%)



- Red (66%)
- Yellow (81%)
- Blue (50%)



- Cyan (0%)
- Magenta (13%)
- Yellow (38%)
- Black (19%)





- Cyan (19%)
- Magenta (30%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8943, 0.3814, 0.3940 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 46.8943, 0.3814, 0.3940 by changing the saturation by 10% instead.


 46.8943, 0.3814,
0.3940


 46.8943, 0.3814,
0.3940


374.3925, 0.3475,
0.3622

 32.9521, 0.3896,
0.4015


 85.5558, 0.3692,
0.3827

 22.0898, 0.3999,
0.4109


 111.0439, 0.3646,
0.3784

 13.9229, 0.4130,
0.4228


 141.1495, 0.3607,
0.3747

 8.0670, 0.4303,
0.4381

176.2569, 0.3573,
0.3715

 4.1379, 0.4535,
0.4580

216.7504, 0.3544,
0.3687

 1.7510, 0.5009,
0.4991

263.0146, 0.3518,

 0.4563, 0.5187,

0.3663

0.4813

315.4339, 0.3495,
0.3641

0.0000, 0.0000,
0.0000

46.8943, 0.3814,
0.3940

46.8943, 0.3814,
0.3940

43.6684, 0.4024,
0.4104

50.3778, 0.3614,
0.3767

40.6846, 0.4238,
0.4250

54.1206, 0.3427,
0.3594

37.9356, 0.4445,
0.4367

58.1326, 0.3257,
0.3425

35.4107, 0.4638,
0.4443

62.4211, 0.3103,
0.3264

33.0975, 0.4803,
0.4470

66.9931, 0.2965,
0.3113

■ 30.9787, 0.4939,
0.4449

■ 71.8551, 0.2842,
0.2973

■ 30.6426, 0.4960,
0.4444

■ 75.9290, 0.2821,
0.3004

■ 79.8773, 0.2825,
0.3080

■ 83.9844, 0.2830,
0.3156

Harmonies

Analogous

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



46.8943, 0.3968, 0.3668



46.8943, 0.3814, 0.3940



46.8943, 0.3477, 0.4052

Triad

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



46.8943, 0.3814, 0.3940



46.8943, 0.2425, 0.3175



46.8943, 0.3151, 0.2751

Complementary

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



46.8943, 0.3814, 0.3940



32.0499, 0.2487, 0.2536

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.



46.8943, 0.2748, 0.2619



46.8943, 0.3814, 0.3940



46.8943, 0.2351, 0.2832

Square

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



46.8943, 0.3814, 0.3940



46.8943, 0.2678, 0.3590



46.8943, 0.2464, 0.2641



46.8943, 0.3573, 0.3004

Rectangle

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



46.8943, 0.3814, 0.3940



46.8943, 0.3201, 0.3997



46.8943, 0.2464, 0.2641



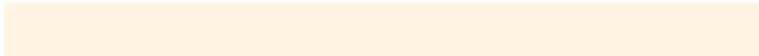
46.8943, 0.3008, 0.2691

Sweetspot

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



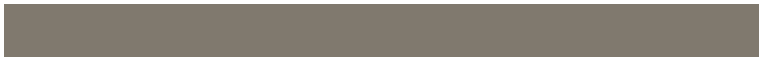
46.8965, 0.3814, 0.3940



91.7044, 0.3320, 0.3488



30.6446, 0.3732, 0.2939



19.4438, 0.3342, 0.3511



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.



46.8965, 0.3814, 0.3940



71.6834, 0.3986, 0.4076



57.1375, 0.3598, 0.4268



12.4272, 0.3274, 0.3442



19.0638, 0.4946, 0.4455



1.1209, 0.4763, 0.4600

Inverse Universe

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



32.0499, 0.2487, 0.2536



44.3222, 0.2340, 0.2339



25.1036, 0.2527, 0.2162



11.4591, 0.2983, 0.3133



5.6242, 0.1643, 0.1113



0.4306, 0.1754, 0.1516

Previews

White Background



This preview shows how the Yxy color 46.8943, 0.3814, 0.3940 looks on a white background.

Color Contrast Check

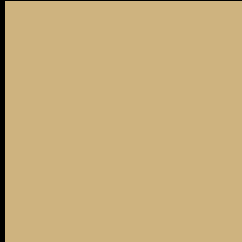
Large Text (above 18pt) WCAG AA × Fail

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 46.8943, 0.3814, 0.3940 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 46.8943, 0.3814, 0.3940

Background



This preview shows how black text looks on a background with the Yxy color 46.8943, 0.3814, 0.3940.



This preview shows how white text looks on a background with the Yxy color 46.8943, 0.3814, 0.3940.

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

46.8943, 0.3814, 0.3940

Protanopia

46.8847, 0.3708, 0.3983

Deuteranopia

46.9702, 0.3929, 0.3857



Tritanopia

47.0049, 0.3378, 0.3134

Trichromacy



Original Color

46.8943, 0.3814, 0.3940

Protanomaly

46.8856, 0.3741, 0.3964

Deuteranomaly

46.7553, 0.3886, 0.3877

Tritanomaly

47.0419, 0.3541, 0.3426

Monochromacy



Original Color

46.8943, 0.3814, 0.3940

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.1629, 0.3372, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8943, 0.3814, 0.3940 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(206, 179, 127)` looks like.

```
.text, #text, p{  
    color:rgb(206, 179, 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(206, 179, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 179, 127) }
```

Border

The CSS property to change the border of an element to Yxy 46.8943, 0.3814, 0.3940 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(206, 179, 127) }
```

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

```
.border{ border-color:rgb(206, 179, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 179, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 179, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 179, 127);  
box-shadow:4px 4px 4px 4px rgb(206, 179,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8943, 0.3814, 0.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 179, 127) }
```

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

```
.background{ background-color: rgb(206,  
179, 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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