

Converting Colors

$Yxy(46.4205, 0.3628, 0.3633)$

Have a look what the booklet for
Yxy(46.4205, 0.3628, 0.3633)
contains.

Yxy(46.3424, 0.3634, 0.3630)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.3424, 0.3634, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	CEB095
RGB	206, 176, 149
RGB Percent	81%, 69%, 58%
CMY	0.1923, 0.3097, 0.4157
CMYK	0.00, 0.15, 0.28, 0.19
HSL	28°, 37%, 70%
HSV	28°, 28%, 81%
XYZ	46.3935, 46.3424, 34.9291
YIQ	181.8920, 26.5470, -2.0370

Conversions

Conversions Part 2

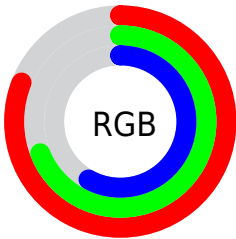
Format	Color
R _Y B	206, 200, 149
Decimal	13545621
CIE Lab	73.77, 6.75, 17.86
CIE LCh	74, 19.093, 69.290
Yxy	46.3424, 0.3634, 0.3630
Android (android.graphics.Color)	4291735701 (0xFFCEB095)
YUV	181.8920, -16.2158, 21.1427
Hunter-Lab	68.0753, 2.5165, 17.2312

Details

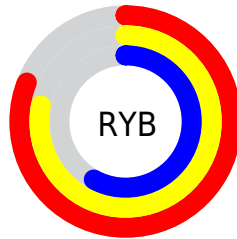
The Yxy color **46.3424, 0.3634, 0.3630** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **43.0514, 0.2691, 0.2923**, and the grayscale version is **46.7948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2850, 0.3479, 0.3583**, and **21.8765, 0.3780, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **41.6671, 0.3865, 0.3758**, and if you desaturate by 10%, it is **51.4766, 0.3429, 0.3502**.

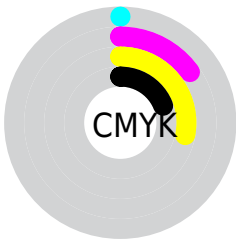
Distribution



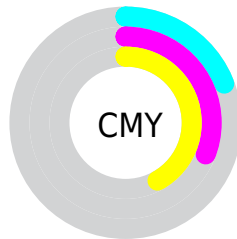
- Red (81%)
- Green (69%)
- Blue (58%)



- Red (81%)
- Yellow (78%)
- Blue (58%)



- Cyan (0%)
- Magenta (15%)
- Yellow (28%)
- Black (19%)




- Cyan (19%)
- Magenta (31%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3424, 0.3634, 0.3630 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 46.3424, 0.3634, 0.3630 by changing the saturation by 10% instead.

 46.3424, 0.3634,
0.3630

 46.3424, 0.3634,
0.3630

372.1835, 0.3379,
0.3464

 32.5161, 0.3698,
0.3670


 84.7312, 0.3541,
0.3571

 21.7560, 0.3779,
0.3720


 110.0625, 0.3507,
0.3548

 13.6777, 0.3887,
0.3785


139.9976, 0.3477,
0.3529

 7.8969, 0.4037,
0.3870

174.9208, 0.3452,
0.3512

 4.0290, 0.4256,
0.3988

215.2166, 0.3430,
0.3498

 1.6898, 0.4714,
0.4252

261.2694, 0.3411,

 0.4170, 0.5737,

0.3485

0.4263

313.4636, 0.3394,
0.3474

0.0000, 0.0000,
0.0000

46.3424, 0.3634,
0.3630

46.3424, 0.3634,
0.3630

41.6671, 0.3865,
0.3758

51.4766, 0.3429,
0.3502

37.4304, 0.4122,
0.3881

57.0767, 0.3249,
0.3379

33.6195, 0.4399,
0.3988

63.1573, 0.3092,
0.3264

30.2187, 0.4685,
0.4069

69.7306, 0.2957,
0.3156

27.2107, 0.4967,
0.4110

76.8082, 0.2839,
0.3057

■ 24.5764, 0.5225,
0.4101

■ 83.2180, 0.2829,
0.3142

■ 22.2922, 0.5444,
0.4038

■ 89.8146, 0.2836,
0.3256

■ 21.8014, 0.5493,
0.4021

■ 91.8552, 0.2838,
0.3289

Harmonies

Analogous

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



46.3424, 0.3647, 0.3429



46.3424, 0.3634, 0.3630



46.3424, 0.3481, 0.3752

Triad

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



46.3424, 0.3634, 0.3630



46.3424, 0.2752, 0.3363



46.3424, 0.3001, 0.2879

Complementary

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



46.3424, 0.3634, 0.3630



43.0514, 0.2691, 0.2923

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.



46.3424, 0.2773, 0.2849



46.3424, 0.3634, 0.3630



46.3424, 0.2634, 0.3115

Square

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



46.3424, 0.3634, 0.3630



46.3424, 0.2970, 0.3601



46.3424, 0.2642, 0.2930



46.3424, 0.3272, 0.3007

Rectangle

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



46.3424, 0.3634, 0.3630



46.3424, 0.3324, 0.3763



46.3424, 0.2642, 0.2930



46.3424, 0.2917, 0.2857

Sweetspot

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



46.3445, 0.3634, 0.3630



92.1057, 0.3256, 0.3385



37.8769, 0.3411, 0.2912



19.4089, 0.3282, 0.3403



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.



46.3445, 0.3634, 0.3630



70.6759, 0.3764, 0.3704



58.4966, 0.3547, 0.3955



12.0771, 0.3278, 0.3400



13.6227, 0.5469, 0.4039



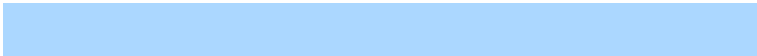
0.8544, 0.5156, 0.4288

Inverse Universe

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



43.0514, 0.2691, 0.2923



64.4956, 0.2598, 0.2834



32.9404, 0.2651, 0.2526



11.8032, 0.2983, 0.3177



9.5753, 0.1799, 0.1677



0.6453, 0.1894, 0.2018

Previews

White Background



This preview shows how the Yxy color 46.3424, 0.3634, 0.3630 looks on a white background.

Color Contrast Check

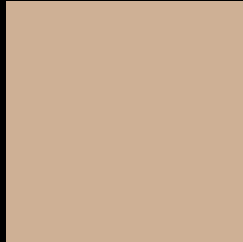
Large Text (above 18pt) WCAG AA × Fail

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 46.3424, 0.3634, 0.3630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

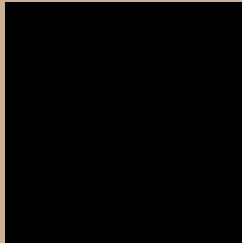
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3424, 0.3634, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 46.3424, 0.3634, 0.3630.



This preview shows how white text looks on a background with the Yxy color 46.3424, 0.3634, 0.3630.

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

46.3424, 0.3634, 0.3630

Protanopia

46.3585, 0.3463, 0.3683

Deuteranopia

46.1437, 0.3679, 0.3601



Tritanopia

46.2881, 0.3370, 0.3133

Trichromacy



Original Color

46.3424, 0.3634, 0.3630

Protanomaly

46.1780, 0.3523, 0.3665

Deuteranomaly

46.3852, 0.3666, 0.3614

Tritanomaly

46.3827, 0.3473, 0.3316

Monochromacy



Original Color

46.3424, 0.3634, 0.3630

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.6212, 0.3305, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3424, 0.3634, 0.3630 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, 176, 149)` looks like.

```
.text, #text, p{  
    color:rgb(206, 176, 149)  
}
```

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, 176, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 176, 149) }
```

Border

The CSS property to change the border of an element to Yxy 46.3424, 0.3634, 0.3630 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, 176, 149) }
```

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

```
.border{ border-color:rgb(206, 176, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 176, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 176, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 176, 149);  
box-shadow:4px 4px 4px 4px rgb(206, 176,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3424, 0.3634, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 176, 149) }
```

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

```
.background{ background-color: rgb(206,  
176, 149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor