

Converting Colors

$Yxy(58.9736, 0.3326, 0.3635)$

Have a look what the booklet for
Yxy(58.9736, 0.3326, 0.3635)
contains.

Yxy(58.9774, 0.3330, 0.3640)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.9774, 0.3330, 0.3640)

Conversions

Conversions Part 1

Format	Color
Hex	CBCCAF
RGB	203, 204, 175
RGB Percent	80%, 80%, 69%
CMY	0.2040, 0.2000, 0.3137
CMYK	0.01, 0.00, 0.14, 0.20
HSL	62°, 22%, 74%
HSV	62°, 14%, 80%
XYZ	53.9546, 58.9774, 49.0938
YIQ	200.3950, 8.7130, -9.2310

Conversions

Conversions Part 2

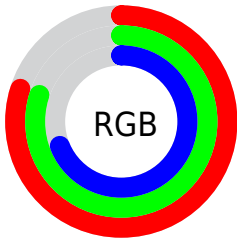
Format	Color
RYB	175, 204, 176
Decimal	13356207
CIELab	81.28, -5.31, 14.36
CIELCh	81, 15.310, 110.283
Yxy	58.9774, 0.3330, 0.3640
Android (android.graphics.Color)	4291546287 (0xFFCBCCAF)
YUV	200.3950, -12.5197, 2.2846
Hunter-Lab	76.7967, -8.9867, 15.8554

Details

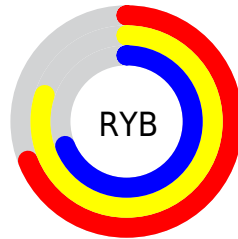
The Yxy color **58.9774, 0.3330, 0.3640** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.2512, 0.2909, 0.2916**, and the grayscale version is **58.0892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **29.6074, 0.3388, 0.3741** is the 20% darker color. If you saturate the color by 10%, you get **58.1364, 0.3475, 0.3892**, and if you desaturate by 10%, it is **59.9452, 0.3186, 0.3392**.

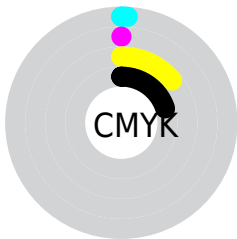
Distribution



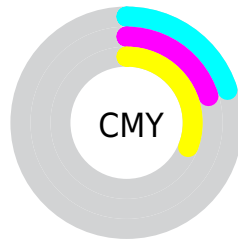
- Red (80%)
- Green (80%)
- Blue (69%)



- Red (69%)
- Yellow (80%)
- Blue (69%)



- Cyan (1%)
- Magenta (0%)
- Yellow (14%)
- Black (20%)



- Cyan (20%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9774, 0.3330, 0.3640 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 58.9774, 0.3330, 0.3640 by changing the saturation by 10% instead.

 58.9774, 0.3330,
0.3640

 58.9774, 0.3330,
0.3640


420.8182, 0.3234,
0.3470

 42.5949, 0.3353,
0.3681

 103.3448, 0.3296,
0.3579

 29.5674, 0.3381,
0.3733


132.0986, 0.3283,
0.3556

 19.5105, 0.3417,
0.3800


165.7448, 0.3272,
0.3537

 12.0397, 0.3465,
0.3891

204.6680, 0.3262,
0.3520

 6.7707, 0.3531,
0.4021

249.2526, 0.3254,
0.3505

 3.3191, 0.3627,
0.4221

299.8829, 0.3246,

 1.3005, 0.3939,

0.3492

0.4760

356.9432, 0.3240,
0.3480

0.1416, 0.0344,
0.9656

0.0000, 0.0000,
0.0000

58.9774, 0.3330,
0.3640

58.9774, 0.3330,
0.3640

58.1364, 0.3475,
0.3892

59.9452, 0.3186,
0.3392

57.4089, 0.3617,
0.4142

61.0371, 0.3048,
0.3154

56.7919, 0.3751,
0.4379

62.2604, 0.2917,
0.2930

56.2788, 0.3871,
0.4594

63.5162, 0.2804,
0.2738

■ 55.8627, 0.3972,
0.4777

■ 63.6202, 0.2809,
0.2738

■ 55.5359, 0.4048,
0.4921

■ 63.7247, 0.2814,
0.2739

■ 55.2892, 0.4099,
0.5022

■ 63.8296, 0.2819,
0.2740

■ 55.1116, 0.4124,
0.5081

■ 63.9350, 0.2824,
0.2741

■ 55.0290, 0.4131,
0.5102

■ 64.0409, 0.2829,
0.2741

Harmonies

Analogous

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



58.9774, 0.3472, 0.3586



58.9774, 0.3330, 0.3640



58.9774, 0.3137, 0.3595

Triad

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



58.9774, 0.3330, 0.3640



58.9774, 0.2750, 0.3105



58.9774, 0.3306, 0.3128

Complementary

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



58.9774, 0.3330, 0.3640



44.2512, 0.2909, 0.2916

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.



58.9774, 0.3108, 0.3009



58.9774, 0.3330, 0.3640



58.9774, 0.2791, 0.2991

Square

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



58.9774, 0.3330, 0.3640



58.9774, 0.2805, 0.3277



58.9774, 0.2920, 0.2958



58.9774, 0.3459, 0.3289

Rectangle

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



58.9774, 0.3330, 0.3640



58.9774, 0.3006, 0.3512



58.9774, 0.2920, 0.2958



58.9774, 0.3242, 0.3082

Sweetspot

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



58.9800, 0.3330, 0.3640



99.2916, 0.3184, 0.3388



46.9696, 0.3387, 0.3303



21.2248, 0.3195, 0.3406



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.



58.9800, 0.3330, 0.3640



97.2247, 0.3374, 0.3716



57.0458, 0.3215, 0.3653



13.0756, 0.3260, 0.3519



34.6405, 0.4132, 0.5101



1.7936, 0.4145, 0.5091

Inverse Universe

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



44.2512, 0.2909, 0.2916



68.3069, 0.2858, 0.2829



46.0258, 0.3028, 0.2929



10.8627, 0.2988, 0.3051



2.7820, 0.1512, 0.0607



0.1503, 0.1555, 0.0630

Previews

White Background



This preview shows how the Yxy color 58.9774, 0.3330, 0.3640 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 58.9774, 0.3330, 0.3640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

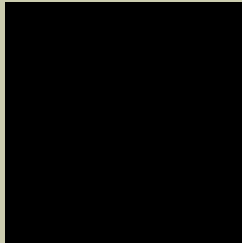
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

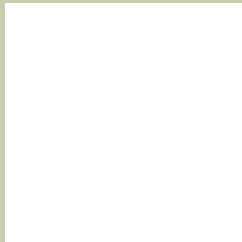
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.9774, 0.3330, 0.3640

Background



This preview shows how black text looks on a background with the Yxy color 58.9774, 0.3330, 0.3640.



This preview shows how white text looks on a background with the Yxy color 58.9774, 0.3330, 0.3640.

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

58.9774, 0.3330, 0.3640

Protanopia

58.8263, 0.3416, 0.3610

Deuteranopia

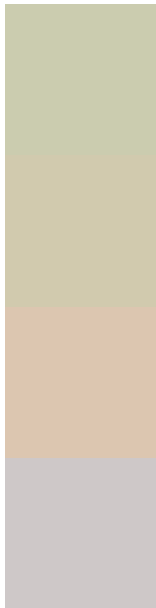
58.5809, 0.3559, 0.3483



Tritanopia

58.6531, 0.3089, 0.3106

Trichromacy



Original Color

58.9774, 0.3330, 0.3640

Protanomaly

58.8524, 0.3390, 0.3624

Deuteranomaly

58.7384, 0.3474, 0.3546

Tritanomaly

58.6005, 0.3174, 0.3290

Monochromacy



Original Color

58.9774, 0.3330, 0.3640

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

57.9524, 0.3200, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9774, 0.3330, 0.3640 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(203, 204, 175)` looks like.

```
.text, #text, p{  
    color:rgb(203, 204, 175)  
}
```

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(203, 204, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 204, 175) }
```

Border

The CSS property to change the border of an element to Yxy 58.9774, 0.3330, 0.3640 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(203, 204, 175) }
```

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

```
.border{ border-color:rgb(203, 204, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 204, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 204, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 204, 175);  
box-shadow:4px 4px 4px 4px rgb(203, 204,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9774, 0.3330, 0.3640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 204, 175) }
```

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

```
.background{ background-color: rgb(203,  
204, 175) }
```

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