

# Converting Colors

Yxy(58.4711, 0.3351, 0.3660)

Have a look what the booklet for  
Yxy(58.4711, 0.3351, 0.3660)  
contains.

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# Color

**Yxy(58.4255, 0.3347, 0.3653)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBCBAD
RGB	203, 203, 173
RGB Percent	80%, 80%, 68%
CMY	0.2038, 0.2039, 0.3216
CMYK	0.00, 0.00, 0.15, 0.20
HSL	60°, 22%, 74%
HSV	60°, 15%, 80%
XYZ	53.5314, 58.4255, 47.9815
YIQ	199.5800, 9.6300, -9.3300

# Conversions

## Conversions Part 2

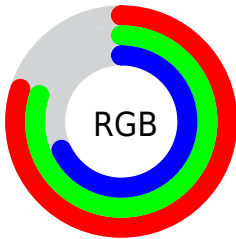
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 203, 173
Decimal	13355949
CIELab	80.97, -5.08, 15.00
CIELCh	81, 15.839, 108.708
Yxy	58.4255, 0.3347, 0.3653
Android (android.graphics.Color)	4291546029 (0xFFCBCBAD)
YUV	199.5800, -13.1039, 2.9993
Hunter-Lab	76.4366, -8.7538, 16.2875

# Details

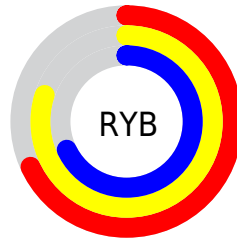
The Yxy color **58.4255, 0.3347, 0.3653** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.0872, 0.2891, 0.2899**, and the grayscale version is **57.5676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **29.2649, 0.3401, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **57.6916, 0.3498, 0.3903**, and if you desaturate by 10%, it is **59.2840, 0.3197, 0.3406**.

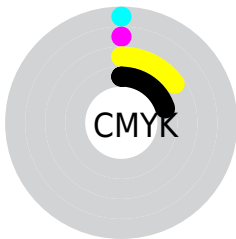
# Distribution



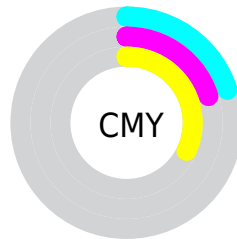
- Red (80%)
- Green (80%)
- Blue (68%)



- Red (68%)
- Yellow (80%)
- Blue (68%)



- Cyan (0%)
- Magenta (0%)
- Yellow (15%)
- Black (20%)




- Cyan (20%)
- Magenta (20%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4255, 0.3347, 0.3653 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 58.4255, 0.3347, 0.3653 by changing the saturation by 10% instead.




 58.4255, 0.3347,  
0.3653

 58.4255, 0.3347,  
0.3653


418.7696, 0.3242,  
0.3477

 42.1508, 0.3372,  
0.3696


 102.5422, 0.3310,  
0.3590

 29.2194, 0.3402,  
0.3749


131.1531, 0.3296,  
0.3566

 19.2469, 0.3442,  
0.3819


164.6447, 0.3284,  
0.3546

 11.8488, 0.3494,  
0.3914

203.4017, 0.3273,  
0.3528

 6.6408, 0.3566,  
0.4049

247.8082, 0.3264,  
0.3513

 3.2385, 0.3671,  
0.4257

298.2488, 0.3256,

 1.2575, 0.4057,

0.3499

0.4880

355.1078, 0.3249,  
0.3487

0.1079, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

58.4255, 0.3347,  
0.3653

58.4255, 0.3347,  
0.3653

57.6916, 0.3498,  
0.3903

59.2840, 0.3197,  
0.3406

57.0692, 0.3647,  
0.4148

60.2643, 0.3053,  
0.3167

56.5551, 0.3787,  
0.4379

61.3739, 0.2916,  
0.2942

56.1430, 0.3912,  
0.4586

62.6171, 0.2789,  
0.2732

■ 55.8259, 0.4018,  
0.4760

■ 62.6783, 0.2785,  
0.2724

■ 55.5961, 0.4099,  
0.4894

■ 62.6876, 0.2785,  
0.2725

■ 55.4445, 0.4155,  
0.4986

■ 62.6970, 0.2785,  
0.2725

■ 55.3601, 0.4185,  
0.5036

■ 62.7063, 0.2785,  
0.2725

■ 55.3321, 0.4195,  
0.5051

■ 62.7156, 0.2785,  
0.2725

# Harmonies

## Analogous

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



58.4255, 0.3490, 0.3591



58.4255, 0.3347, 0.3653



58.4255, 0.3148, 0.3612

# Triad

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



58.4255, 0.3347, 0.3653



58.4255, 0.2736, 0.3106



58.4255, 0.3302, 0.3114

# Complementary

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



58.4255, 0.3347, 0.3653



43.0872, 0.2891, 0.2899

# 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.



58.4255, 0.3096, 0.2994



58.4255, 0.3347, 0.3653



58.4255, 0.2774, 0.2984

# Square

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



58.4255, 0.3347, 0.3653



58.4255, 0.2799, 0.3286



58.4255, 0.2903, 0.2946



58.4255, 0.3465, 0.3280



# Rectangle

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



58.4255, 0.3347, 0.3653



58.4255, 0.3011, 0.3529



58.4255, 0.2903, 0.2946



58.4255, 0.3236, 0.3068

# Sweetspot

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



58.4281, 0.3347, 0.3653



99.3540, 0.3186, 0.3388



45.6169, 0.3396, 0.3285



21.2407, 0.3198, 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.



58.4281, 0.3347, 0.3653



97.3599, 0.3399, 0.3739



56.4972, 0.3230, 0.3667



13.0948, 0.3266, 0.3519



35.2031, 0.4195, 0.5051



1.8167, 0.4195, 0.5051



# Inverse Universe

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



43.0872, 0.2891, 0.2899



66.4619, 0.2829, 0.2798



44.8223, 0.3011, 0.2913



10.8457, 0.2982, 0.3051



2.7475, 0.1500, 0.0601



0.1424, 0.1501, 0.0603



# Previews

## White Background



This preview shows how the Yxy color 58.4255, 0.3347, 0.3653 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

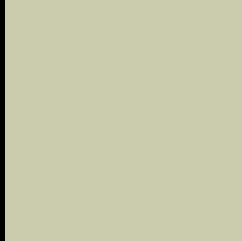
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.4255, 0.3347, 0.3653 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

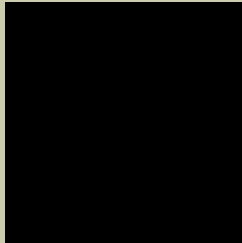
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

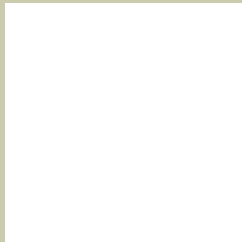
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.4255, 0.3347, 0.3653**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.4255, 0.3347, 0.3653.



This preview shows how white text looks on a background with the Yxy color 58.4255, 0.3347, 0.3653.

# 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

58.4255, 0.3347, 0.3653

### Protanopia

58.1360, 0.3426, 0.3623

### Deuteranopia

58.5017, 0.3575, 0.3506



## Tritanopia

58.2919, 0.3105, 0.3106

# Trichromacy



## Original Color

58.4255, 0.3347, 0.3653

## Protanomaly

58.1617, 0.3399, 0.3637

## Deuteranomaly

58.2041, 0.3492, 0.3558

## Tritanomaly

58.1895, 0.3198, 0.3302

# Monochromacy



## Original Color

58.4255, 0.3347, 0.3653

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

57.9085, 0.3207, 0.3422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.4255, 0.3347, 0.3653 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, 203, 173)` looks like.

```
.text, #text, p{  
    color:rgb(203, 203, 173)  
}
```

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, 203, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 203, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 58.4255, 0.3347, 0.3653 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, 203, 173) }
```

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

```
.border{ border-color:rgb(203, 203, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 203, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 203, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 203, 173);  
box-shadow:4px 4px 4px 4px rgb(203, 203,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.4255, 0.3347, 0.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 203, 173) }
```

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

```
.background{ background-color: rgb(203,  
203, 173) }
```

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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