

Converting Colors

$Yxy(50.5786, 0.3636, 0.3857)$

Have a look what the booklet for
Yxy(50.5786, 0.3636, 0.3857)
contains.

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Color

Yxy(50.7568, 0.3635, 0.3863)

Conversions

Conversions Part 1

Format	Color
Hex	CCBC8E
RGB	204, 188, 142
RGB Percent	80%, 74%, 56%
CMY	0.2001, 0.2627, 0.4431
CMYK	0.00, 0.08, 0.30, 0.20
HSL	45°, 38%, 68%
HSV	45°, 30%, 80%
XYZ	47.7611, 50.7568, 32.8743
YIQ	187.5400, 24.3020, -10.9140

Conversions

Conversions Part 2

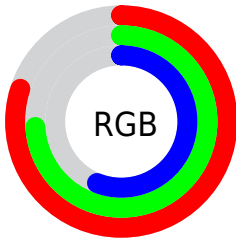
Format	Color
RYB	164, 204, 142
Decimal	13417614
CIELab	76.53, -1.33, 25.36
CIELCh	77, 25.400, 93.006
Yxy	50.7568, 0.3635, 0.3863
Android (android.graphics.Color)	4291607694 (0xFFCCBC8E)
YUV	187.5400, -22.4512, 14.4354
Hunter-Lab	71.2438, -5.0122, 22.5122

Details

The Yxy color **50.7568, 0.3635, 0.3863** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.5498, 0.2620, 0.2642**, and the grayscale version is **50.1336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9469, 0.3501, 0.3768**, and **24.4728, 0.3772, 0.4023** is the 20% darker color. If you saturate the color by 10%, you get **47.9983, 0.3822, 0.4053**, and if you desaturate by 10%, it is **53.7137, 0.3456, 0.3670**.

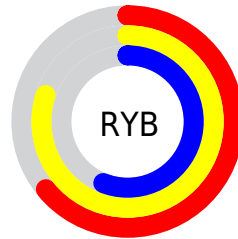
Distribution



Red (80%)

Green (74%)

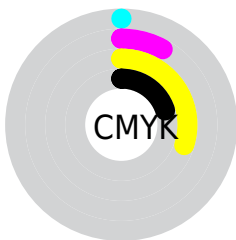
Blue (56%)



Red (64%)

Yellow (80%)

Blue (56%)

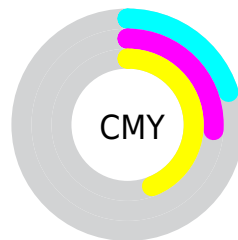


Cyan (0%)

Magenta (8%)

Yellow (30%)

Black (20%)



Cyan (20%)


Magenta (26%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7568, 0.3635, 0.3863 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 50.7568, 0.3635, 0.3863 by changing the saturation by 10% instead.


 50.7568, 0.3635,
0.3863


 50.7568, 0.3635,
0.3863

389.6182, 0.3387,
0.3582

 36.0151, 0.3694,
0.3931


 91.2952, 0.3547,
0.3762

 24.4459, 0.3769,
0.4016


 117.8606, 0.3513,
0.3724

 15.6647, 0.3864,
0.4126


149.1362, 0.3484,
0.3692

 9.2872, 0.3990,
0.4273

185.5061, 0.3460,
0.3664

 4.9290, 0.4161,
0.4475

227.3549, 0.3438,
0.3639

 2.2056, 0.4565,
0.4943

275.0669, 0.3419,

 0.7231, 0.4752,

0.3618

0.5248

329.0265, 0.3402,
0.3599

0.0000, 0.0000,
0.0000

50.7568, 0.3635,
0.3863

50.7568, 0.3635,
0.3863

47.9983, 0.3822,
0.4053

53.7137, 0.3456,
0.3670

45.4242, 0.4012,
0.4231

56.8685, 0.3288,
0.3480

43.0293, 0.4198,
0.4387

60.2297, 0.3133,
0.3297

40.8053, 0.4370,
0.4510

63.8030, 0.2992,
0.3124

38.7427, 0.4522,
0.4592

67.5939, 0.2864,
0.2963

■ 36.8304, 0.4646,
0.4626

■ 70.9880, 0.2803,
0.2908

■ 35.1131, 0.4740,
0.4619

■ 73.7799, 0.2806,
0.2966

■ 76.6590, 0.2810,
0.3023

■ 79.6262, 0.2814,
0.3080

Harmonies

Analogous

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



50.7568, 0.3802, 0.3672



50.7568, 0.3635, 0.3863



50.7568, 0.3335, 0.3901

Triad

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



50.7568, 0.3635, 0.3863



50.7568, 0.2516, 0.3122



50.7568, 0.3238, 0.2887

Complementary

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



50.7568, 0.3635, 0.3863



34.5498, 0.2620, 0.2642

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.



50.7568, 0.2894, 0.2748



50.7568, 0.3635, 0.3863



50.7568, 0.2493, 0.2864

Square

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



50.7568, 0.3635, 0.3863



50.7568, 0.2694, 0.3452



50.7568, 0.2627, 0.2736



50.7568, 0.3568, 0.3120

Rectangle

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



50.7568, 0.3635, 0.3863



50.7568, 0.3105, 0.3820



50.7568, 0.2627, 0.2736



50.7568, 0.3120, 0.2828

Sweetspot

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



50.7591, 0.3635, 0.3863



94.8971, 0.3267, 0.3456



34.6686, 0.3623, 0.3079



20.1411, 0.3291, 0.3484



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.



50.7591, 0.3635, 0.3863



81.2690, 0.3748, 0.3980



56.0069, 0.3461, 0.4074



12.5887, 0.3272, 0.3461



22.2656, 0.4730, 0.4626



1.2666, 0.4603, 0.4727

Inverse Universe

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



34.5498, 0.2620, 0.2642



50.4975, 0.2508, 0.2486



30.8216, 0.2718, 0.2438



11.3057, 0.2983, 0.3113



4.4479, 0.1588, 0.0916



0.3553, 0.1697, 0.1309

Previews

White Background



This preview shows how the Yxy color 50.7568, 0.3635, 0.3863 looks on a white background.

Color Contrast Check

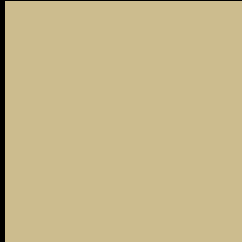
Large Text (above 18pt) WCAG AA × Fail

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 50.7568, 0.3635, 0.3863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

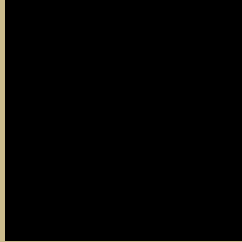
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7568, 0.3635, 0.3863

Background



This preview shows how black text looks on a background with the Yxy color 50.7568, 0.3635, 0.3863.



This preview shows how white text looks on a background with the Yxy color 50.7568, 0.3635, 0.3863.

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

50.7568, 0.3635, 0.3863

Protanopia

50.9047, 0.3614, 0.3878

Deuteranopia

50.5605, 0.3817, 0.3740



Tritanopia

50.6895, 0.3263, 0.3124

Trichromacy



Original Color

50.7568, 0.3635, 0.3863

Protanomaly

51.0447, 0.3623, 0.3876

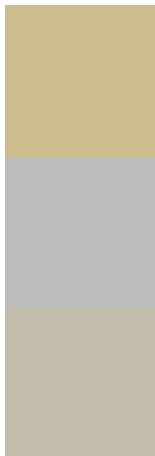
Deuteranomaly

50.7112, 0.3741, 0.3785

Tritanomaly

50.8255, 0.3399, 0.3388

Monochromacy



Original Color

50.7568, 0.3635, 0.3863

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.3760, 0.3311, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7568, 0.3635, 0.3863 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(204, 188, 142)` looks like.

```
.text, #text, p{  
    color:rgb(204, 188, 142)  
}
```

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(204, 188, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 188, 142) }
```

Border

The CSS property to change the border of an element to Yxy 50.7568, 0.3635, 0.3863 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(204, 188, 142) }
```

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

```
.border{ border-color:rgb(204, 188, 142) }
```

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

Here you see how a box with a 4 pixel rgb(204, 188, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 188, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 188, 142);  
box-shadow:4px 4px 4px 4px rgb(204, 188,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7568, 0.3635, 0.3863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 188, 142) }
```

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

```
.background{ background-color: rgb(204,  
188, 142) }
```

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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