

# Converting Colors

Yxy(51.6517, 0.3563, 0.3918)

Have a look what the booklet for  
Yxy(51.6517, 0.3563, 0.3918)  
contains.

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# Color

**Yxy(51.6580, 0.3569, 0.3921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6C08E
RGB	198, 192, 142
RGB Percent	78%, 75%, 56%
CMY	0.2235, 0.2470, 0.4433
CMYK	0.00, 0.03, 0.28, 0.22
HSL	54°, 33%, 67%
HSV	54°, 28%, 78%
XYZ	47.0205, 51.6580, 33.0685
YIQ	188.0940, 19.6260, -14.2780

# Conversions

## Conversions Part 2

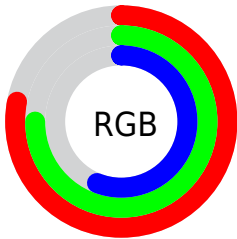
Format	Color
R <sub>Y</sub> B	149, 198, 142
Decimal	13025422
CIE Lab	77.08, -5.74, 26.04
CIE LCh	77, 26.666, 102.439
Yxy	51.6580, 0.3569, 0.3921
Android (android.graphics.Color)	4291215502 (0xFFC6C08E)
YUV	188.0940, -22.7243, 8.6876
Hunter-Lab	71.8735, -9.0018, 23.0325

# Details

The Yxy color **51.6580, 0.3569, 0.3921** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.9952, 0.2646, 0.2569**, and the grayscale version is **50.4691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3803, 0.3492, 0.3806**, and **25.0602, 0.3676, 0.4104** is the 20% darker color. If you saturate the color by 10%, you get **50.1924, 0.3731, 0.4142**, and if you desaturate by 10%, it is **53.2473, 0.3408, 0.3695**.

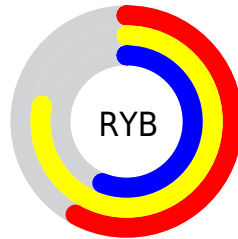
# Distribution



Red (78%)

Green (75%)

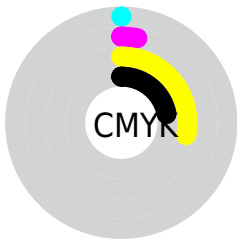
Blue (56%)



Red (58%)

Yellow (78%)

Blue (56%)

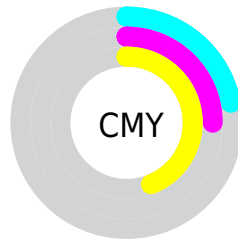


Cyan (0%)

Magenta (3%)

Yellow (28%)

Black (22%)



Cyan (22%)

Magenta (25%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6580, 0.3569, 0.3921 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 51.6580, 0.3569, 0.3921 by changing the saturation by 10% instead.





 51.6580, 0.3569,  
0.3921

 51.6580, 0.3569,  
0.3921


393.1149, 0.3356,  
0.3609

 36.7325, 0.3619,  
0.3997


 92.6267, 0.3494,  
0.3809

 25.0005, 0.3682,  
0.4093


 119.4387, 0.3465,  
0.3766

 16.0774, 0.3761,  
0.4218


150.9816, 0.3440,  
0.3730

 9.5789, 0.3864,  
0.4387

187.6400, 0.3419,  
0.3699

 5.1207, 0.3999,  
0.4623

229.7981, 0.3400,  
0.3672

 2.3183, 0.4325,  
0.5147

277.8403, 0.3384,

 0.7833, 0.4355,

0.3649

0.5645

332.1511, 0.3369,  
0.3628

0.0000, 0.0000,  
0.0000

51.6580, 0.3569,  
0.3921

51.6580, 0.3569,  
0.3921

50.1924, 0.3731,  
0.4142

53.2473, 0.3408,  
0.3695

48.8379, 0.3887,  
0.4350

54.9586, 0.3251,  
0.3470

47.5907, 0.4032,  
0.4534

56.7992, 0.3103,  
0.3254

46.4439, 0.4159,  
0.4685

58.7735, 0.2964,  
0.3049

45.3898, 0.4262,  
0.4796

60.8860, 0.2836,  
0.2857

■ 44.4194, 0.4338,  
0.4863

■ 62.7637, 0.2753,  
0.2738

■ 43.5185, 0.4388,  
0.4889

■ 63.7841, 0.2754,  
0.2762

■ 43.3691, 0.4396,  
0.4892

■ 64.8183, 0.2756,  
0.2786

■ 65.8664, 0.2758,  
0.2810

# Harmonies

## Analogous

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



51.6580, 0.3796, 0.3763



51.6580, 0.3569, 0.3921



51.6580, 0.3231, 0.3901

# Triad

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



51.6580, 0.3569, 0.3921



51.6580, 0.2466, 0.3017



51.6580, 0.3358, 0.2938

# Complementary

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



51.6580, 0.3569, 0.3921



30.9952, 0.2646, 0.2569

# 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.



51.6580, 0.2991, 0.2759



51.6580, 0.3569, 0.3921



51.6580, 0.2493, 0.2788

# Square

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



51.6580, 0.3569, 0.3921



51.6580, 0.2602, 0.3348



51.6580, 0.2680, 0.2702



51.6580, 0.3674, 0.3201



# Rectangle

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



51.6580, 0.3569, 0.3921



51.6580, 0.2991, 0.3775



51.6580, 0.2680, 0.2702



51.6580, 0.3235, 0.2867

# Sweetspot

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



51.6603, 0.3569, 0.3921



97.3682, 0.3248, 0.3466



33.4961, 0.3669, 0.3205



20.7385, 0.3272, 0.3500



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.



51.6603, 0.3569, 0.3921



89.8330, 0.3670, 0.4060



51.6364, 0.3367, 0.4034



12.2153, 0.3268, 0.3494



28.2764, 0.4393, 0.4894



1.3960, 0.4346, 0.4931



# Inverse Universe

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



30.9952, 0.2646, 0.2569



47.2561, 0.2525, 0.2381



31.2465, 0.2829, 0.2521



10.4674, 0.2983, 0.3077



3.0677, 0.1523, 0.0684



0.2086, 0.1593, 0.0935



# Previews

## White Background



This preview shows how the Yxy color 51.6580, 0.3569, 0.3921 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

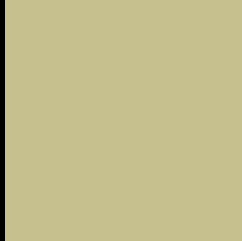
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.6580, 0.3569, 0.3921 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

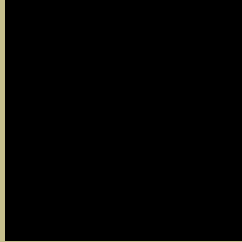
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

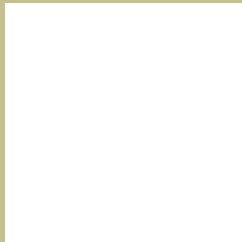
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.6580, 0.3569, 0.3921**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.6580, 0.3569, 0.3921.



This preview shows how white text looks on a background with the Yxy color 51.6580, 0.3569, 0.3921.

# 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

51.6580, 0.3569, 0.3921

### Protanopia

51.5874, 0.3637, 0.3898

### Deuteranopia

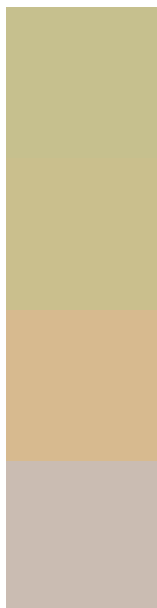
51.3168, 0.3823, 0.3736



## Tritanopia

51.8006, 0.3185, 0.3123

# Trichromacy



## Original Color

51.6580, 0.3569, 0.3921

## Protanomaly

51.7412, 0.3615, 0.3914

## Deuteranomaly

51.5481, 0.3734, 0.3808

## Tritanomaly

51.7373, 0.3324, 0.3414

# Monochromacy



## Original Color

51.6580, 0.3569, 0.3921

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.5419, 0.3292, 0.3519

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.6580, 0.3569, 0.3921 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(198, 192, 142)` looks like.

```
.text, #text, p{  
    color:rgb(198, 192, 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(198, 192, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 192, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 51.6580, 0.3569, 0.3921 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(198, 192, 142) }
```

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

```
.border{ border-color:rgb(198, 192, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 192, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 192, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 192, 142);  
box-shadow:4px 4px 4px 4px rgb(198, 192,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.6580, 0.3569, 0.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 192, 142) }
```

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

```
.background{ background-color: rgb(198,  
192, 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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