

Converting Colors

$Yxy(51.2298, 0.3719, 0.4157)$

Have a look what the booklet for
Yxy(51.2298, 0.3719, 0.4157)
contains.

Yxy(51.1351, 0.3715, 0.4156)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.1351, 0.3715, 0.4156)

Conversions

Conversions Part 1

Format	Color
Hex	C6C07B
RGB	198, 192, 123
RGB Percent	78%, 75%, 48%
CMY	0.2236, 0.2470, 0.5177
CMYK	0.00, 0.03, 0.38, 0.22
HSL	55°, 40%, 63%
HSV	55°, 38%, 78%
XYZ	45.7091, 51.1351, 26.1951
YIQ	185.9280, 25.7250, -20.1870

Conversions

Conversions Part 2

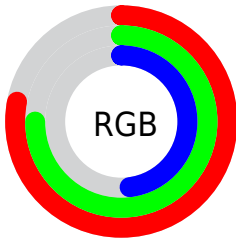
Format	Color
RYB	130, 198, 123
Decimal	13025403
CIELab	76.76, -8.10, 35.54
CIELCh	77, 36.454, 102.833
Yxy	51.1351, 0.3715, 0.4156
Android (android.graphics.Color)	4291215483 (0xFFC6C07B)
YUV	185.9280, -31.0235, 10.5871
Hunter-Lab	71.5088, -11.0416, 28.3371

Details

The Yxy color **51.1351, 0.3715, 0.4156** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.9755, 0.2452, 0.2244**, and the grayscale version is **49.2259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5294, 0.3616, 0.4005**, and **24.7859, 0.3853, 0.4388** is the 20% darker color. If you saturate the color by 10%, you get **50.0024, 0.3866, 0.4369**, and if you desaturate by 10%, it is **52.3802, 0.3557, 0.3929**.

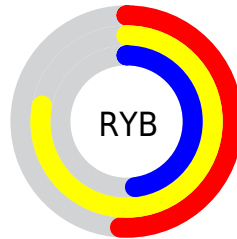
Distribution



Red (78%)

Green (75%)

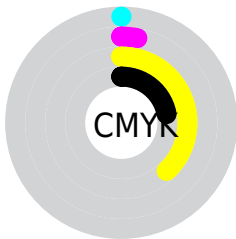
Blue (48%)



Red (51%)

Yellow (78%)

Blue (48%)

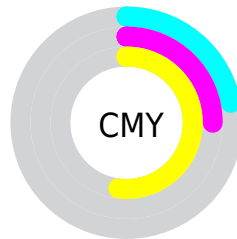


Cyan (0%)

Magenta (3%)

Yellow (38%)

Black (22%)



Cyan (22%)


Magenta (25%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1351, 0.3715, 0.4156 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 51.1351, 0.3715, 0.4156 by changing the saturation by 10% instead.


 51.1351, 0.3715,
0.4156

 51.1351, 0.3715,
0.4156

391.0885, 0.3436,
0.3729


 36.3161, 0.3778,
0.4259


 91.8544, 0.3618,
0.4003

 24.6785, 0.3855,
0.4387


 118.5236, 0.3580,
0.3945

 15.8377, 0.3949,
0.4551


 149.9116, 0.3548,
0.3896

 9.4093, 0.4062,
0.4765

186.4029, 0.3519,
0.3853

 5.0091, 0.4198,
0.5054

228.3818, 0.3495,
0.3816

 2.2526, 0.4433,
0.5567

276.2328, 0.3473,

 0.7485, 0.4070,

0.3783

0.5930

330.3402, 0.3453,
0.3754

0.0000, 0.0000,
0.0000

51.1351, 0.3715,
0.4156

51.1351, 0.3715,
0.4156

50.0024, 0.3866,
0.4369

52.3802, 0.3557,
0.3929

48.9688, 0.4005,
0.4558

53.7362, 0.3399,
0.3697

48.0301, 0.4124,
0.4713

55.2107, 0.3244,
0.3466


47.1786, 0.4220,
0.4829


56.8085, 0.3097,
0.3244

46.4052, 0.4289,
0.4900

58.5341, 0.2958,
0.3033

 45.6968, 0.4332,
0.4931

 60.3920, 0.2830,
0.2836

 45.5503, 0.4340,
0.4936

 61.9554, 0.2751,
0.2718

 62.7037, 0.2752,
0.2736

 63.4596, 0.2754,
0.2754

Harmonies

Analogous

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



51.1351, 0.4036, 0.3921



51.1351, 0.3715, 0.4156



51.1351, 0.3250, 0.4143

Triad

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



51.1351, 0.3715, 0.4156



51.1351, 0.2239, 0.2899



51.1351, 0.3445, 0.2821

Complementary

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



51.1351, 0.3715, 0.4156



23.9755, 0.2452, 0.2244

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.



51.1351, 0.2942, 0.2584



51.1351, 0.3715, 0.4156



51.1351, 0.2279, 0.2603

Square

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



51.1351, 0.3715, 0.4156



51.1351, 0.2411, 0.3354



51.1351, 0.2525, 0.2502



51.1351, 0.3885, 0.3166

Rectangle

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



51.1351, 0.3715, 0.4156



51.1351, 0.2926, 0.3968



51.1351, 0.2525, 0.2502



51.1351, 0.3276, 0.2727

Sweetspot

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



51.1374, 0.3715, 0.4156



96.9070, 0.3294, 0.3541



27.7573, 0.3970, 0.3209



20.6645, 0.3316, 0.3573



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.



51.1374, 0.3715, 0.4156



88.9910, 0.3834, 0.4324



49.9958, 0.3420, 0.4312



12.2669, 0.3267, 0.3501



29.6874, 0.4338, 0.4937



1.4496, 0.4305, 0.4964

Inverse Universe

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



23.9755, 0.2452, 0.2244



34.4337, 0.2292, 0.1987



25.1323, 0.2726, 0.2235



10.4209, 0.2983, 0.3070



2.9391, 0.1516, 0.0658



0.1872, 0.1570, 0.0853

Previews

White Background



This preview shows how the Yxy color 51.1351, 0.3715, 0.4156 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 51.1351, 0.3715, 0.4156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

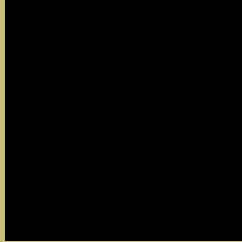
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.1351, 0.3715, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 51.1351, 0.3715, 0.4156.



This preview shows how white text looks on a background with the Yxy color 51.1351, 0.3715, 0.4156.

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

51.1351, 0.3715, 0.4156

Protanopia

50.9221, 0.3808, 0.4112

Deuteranopia

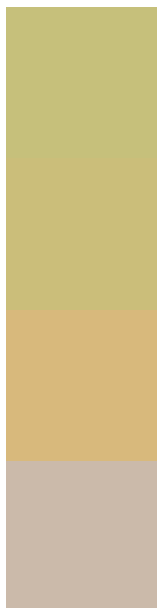
50.8593, 0.4016, 0.3935



Tritanopia

51.0200, 0.3211, 0.3123

Trichromacy



Original Color

51.1351, 0.3715, 0.4156

Protanomaly

50.9286, 0.3777, 0.4131

Deuteranomaly

50.7521, 0.3903, 0.4018

Tritanomaly

50.7166, 0.3401, 0.3489

Monochromacy



Original Color

51.1351, 0.3715, 0.4156

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.5579, 0.3341, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1351, 0.3715, 0.4156 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(198, 192, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 192, 123) }
```

Border

The CSS property to change the border of an element to Yxy 51.1351, 0.3715, 0.4156 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, 123) }
```

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

```
.border{ border-color:rgb(198, 192, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 192, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 192, 123);  
box-shadow:4px 4px 4px 4px rgb(198, 192,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1351, 0.3715, 0.4156 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, 123) }
```

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

```
.background{ background-color: rgb(198,  
192, 123) }
```

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