

Converting Colors

$Y_{xy}(58.5758, 0.3797, 0.4550)$

Have a look what the booklet for
Yxy(58.5758, 0.3797, 0.4550)
contains.

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Color

Yxy(58.3504, 0.3799, 0.4545)

Conversions

Conversions Part 1

Format	Color
Hex	C8D066
RGB	200, 208, 102
RGB Percent	78%, 82%, 40%
CMY	0.2157, 0.1843, 0.6000
CMYK	0.04, 0.00, 0.51, 0.18
HSL	65°, 53%, 61%
HSV	65°, 51%, 82%
XYZ	48.7730, 58.3504, 21.2603
YIQ	193.5240, 29.2580, -34.6620

Conversions

Conversions Part 2

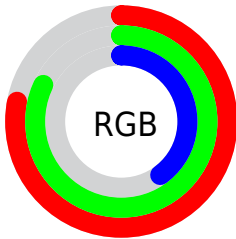
Format	Color
RYB	102, 208, 110
Decimal	13160550
CIELab	80.93, -17.52, 51.10
CIElCh	81, 54.016, 108.923
Yxy	58.3504, 0.3799, 0.4545
Android (android.graphics.Color)	4291350630 (0xFFC8D066)
YUV	193.5240, -45.1213, 5.6795
Hunter-Lab	76.3874, -19.7067, 36.9695

Details

The Yxy color **58.3504, 0.3799, 0.4545** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **17.3712, 0.2217, 0.1707**, and the grayscale version is **53.9122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1803, 0.3712, 0.4256**, and **29.2708, 0.3918, 0.4852** is the 20% darker color. If you saturate the color by 10%, you get **57.7756, 0.3899, 0.4747**, and if you desaturate by 10%, it is **59.0363, 0.3681, 0.4315**.

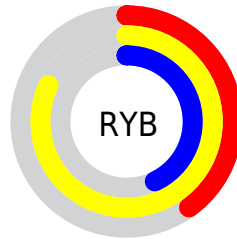
Distribution



Red (78%)

Green (82%)

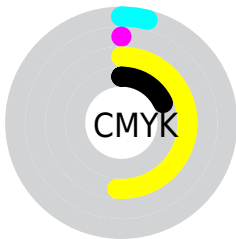
Blue (40%)



Red (40%)

Yellow (82%)

Blue (43%)

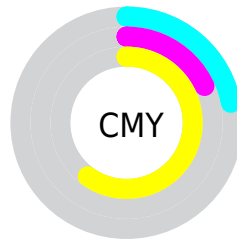


Cyan (4%)

Magenta (0%)

Yellow (51%)

Black (18%)



Cyan (22%)


Magenta (18%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3504, 0.3799, 0.4545 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 58.3504, 0.3799, 0.4545 by changing the saturation by 10% instead.


 58.3504, 0.3799,
0.4545

 58.3504, 0.3799,
0.4545


418.4903, 0.3505,
0.3939


 42.0904, 0.3856,
0.4684


 102.4329, 0.3704,
0.4333

 29.1721, 0.3919,
0.4853


 131.0243, 0.3665,
0.4251

 19.2110, 0.3986,
0.5061


 164.4949, 0.3630,
0.4180

 11.8229, 0.4046,
0.5316

 203.2291, 0.3599,
0.4119

 6.6232, 0.4144,
0.5721

247.6114, 0.3572,
0.4066

 3.2276, 0.4012,
0.5988

298.0261, 0.3547,

 1.2517, 0.3661,

0.4018

0.6339

354.8576, 0.3525,
0.3977

0.1033, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

58.3504, 0.3799,
0.4545

58.3504, 0.3799,
0.4545

57.7756, 0.3899,
0.4747

59.0363, 0.3681,
0.4315

57.2960, 0.3977,
0.4913


59.8323, 0.3551,
0.4068

56.9053, 0.4029,
0.5037

60.7476, 0.3414,
0.3813


56.5925, 0.4055,
0.5117


61.7882, 0.3276,
0.3559


 56.3596, 0.4061,
0.5158

 62.9596, 0.3140,
0.3313

 64.2671, 0.3010,
0.3079

 65.7155, 0.2887,
0.2861

 66.4163, 0.2852,
0.2788

 66.6518, 0.2862,
0.2790

Harmonies

Analogous

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



58.3504, 0.4317, 0.4220



58.3504, 0.3799, 0.4545



58.3504, 0.3132, 0.4483

Triad

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



58.3504, 0.3799, 0.4545



58.3504, 0.1905, 0.2616



58.3504, 0.3711, 0.2729

Complementary

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



58.3504, 0.3799, 0.4545



17.3712, 0.2217, 0.1707

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.



58.3504, 0.2994, 0.2383



58.3504, 0.3799, 0.4545



58.3504, 0.2017, 0.2288

Square

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



58.3504, 0.3799, 0.4545



58.3504, 0.2066, 0.3214



58.3504, 0.2390, 0.2223



58.3504, 0.4300, 0.3200

Rectangle

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



58.3504, 0.3799, 0.4545



58.3504, 0.2695, 0.4170



58.3504, 0.2390, 0.2223



58.3504, 0.3473, 0.2596

Sweetspot

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



58.3531, 0.3799, 0.4545



97.2329, 0.3334, 0.3666



25.3205, 0.4526, 0.3382



20.7368, 0.3364, 0.3720



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.



58.3531, 0.3799, 0.4545



91.5288, 0.3906, 0.4761



52.3636, 0.3371, 0.4750



13.7503, 0.3255, 0.3520



35.1430, 0.4063, 0.5156



1.9788, 0.4088, 0.5136

Inverse Universe

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



17.3712, 0.2217, 0.1707



19.6217, 0.2001, 0.1347



21.7445, 0.2699, 0.1890



11.4597, 0.2993, 0.3050



2.9217, 0.1526, 0.0614



0.1786, 0.1609, 0.0660

Previews

White Background



This preview shows how the Yxy color 58.3504, 0.3799, 0.4545 looks on a white background.

Color Contrast Check

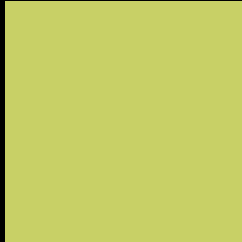
Large Text (above 18pt) WCAG AA × Fail

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 58.3504, 0.3799, 0.4545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

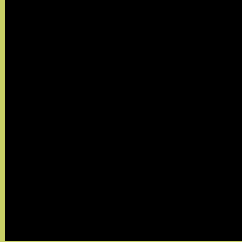
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3504, 0.3799, 0.4545

Background



This preview shows how black text looks on a background with the Yxy color 58.3504, 0.3799, 0.4545.



This preview shows how white text looks on a background with the Yxy color 58.3504, 0.3799, 0.4545.

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

58.3504, 0.3799, 0.4545

Protanopia

58.2230, 0.4038, 0.4410

Deuteranopia

57.8950, 0.4267, 0.4170



Tritanopia

58.1801, 0.3143, 0.3118

Trichromacy



Original Color

58.3504, 0.3799, 0.4545

Protanomaly

58.4215, 0.3946, 0.4461

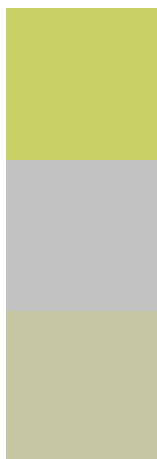
Deuteranomaly

57.6104, 0.4091, 0.4298

Tritanomaly

57.6587, 0.3408, 0.3638

Monochromacy



Original Color

58.3504, 0.3799, 0.4545

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

55.1558, 0.3387, 0.3764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3504, 0.3799, 0.4545 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(200, 208, 102)` looks like.

```
.text, #text, p{  
    color:rgb(200, 208, 102)  
}
```

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(200, 208, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 208, 102) }
```

Border

The CSS property to change the border of an element to Yxy 58.3504, 0.3799, 0.4545 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(200, 208, 102) }
```

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

```
.border{ border-color:rgb(200, 208, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 208, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 208, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 208, 102);  
box-shadow:4px 4px 4px 4px rgb(200, 208,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3504, 0.3799, 0.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 208, 102) }
```

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

```
.background{ background-color: rgb(200,  
208, 102) }
```

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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