

Converting Colors

$Y_{xy}(50.2567, 0.3782, 0.4152)$

Have a look what the booklet for
Yxy(50.2567, 0.3782, 0.4152)
contains.

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Color

Yxy(50.1688, 0.3778, 0.4150)

Conversions

Conversions Part 1

Format	Color
Hex	C9BD78
RGB	201, 189, 120
RGB Percent	79%, 74%, 47%
CMY	0.2118, 0.2588, 0.5294
CMYK	0.00, 0.06, 0.40, 0.21
HSL	51°, 43%, 63%
HSV	51°, 40%, 79%
XYZ	45.6717, 50.1688, 25.0481
YIQ	184.7220, 29.3010, -18.9150

Conversions

Conversions Part 2

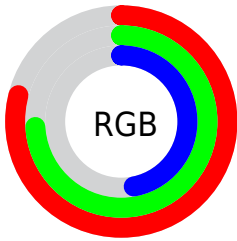
Format	Color
RYB	134, 201, 120
Decimal	13221240
CIELab	76.17, -5.67, 36.37
CIELCh	76, 36.811, 98.859
Yxy	50.1688, 0.3778, 0.4150
Android (android.graphics.Color)	4291411320 (0xFFC9BD78)
YUV	184.7220, -31.9079, 14.2758
Hunter-Lab	70.8299, -8.8541, 28.6138

Details

The Yxy color **50.1688, 0.3778, 0.4150** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.7069, 0.2415, 0.2249**, and the grayscale version is **48.5219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5819, 0.3643, 0.4007**, and **24.1615, 0.3940, 0.4374** is the 20% darker color. If you saturate the color by 10%, you get **48.4679, 0.3942, 0.4347**, and if you desaturate by 10%, it is **52.0029, 0.3610, 0.3938**.

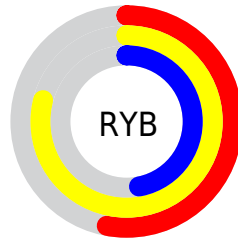
Distribution



Red (79%)

Green (74%)

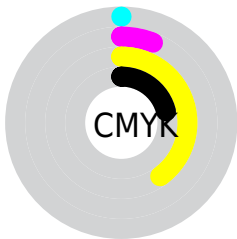
Blue (47%)



Red (53%)

Yellow (79%)

Blue (47%)

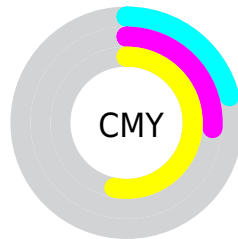


Cyan (0%)

Magenta (6%)

Yellow (40%)

Black (21%)



Cyan (21%)


Magenta (26%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1688, 0.3778, 0.4150 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 50.1688, 0.3778, 0.4150 by changing the saturation by 10% instead.


 50.1688, 0.3778,
0.4150


 50.1688, 0.3778,
0.4150

387.3257, 0.3467,
0.3728


 35.5475, 0.3849,
0.4250


 90.4249, 0.3669,
0.4000

 24.0850, 0.3936,
0.4376


 116.8286, 0.3627,
0.3942

 15.3967, 0.4042,
0.4534


 147.9285, 0.3591,
0.3893

 9.0982, 0.4171,
0.4738

184.1091, 0.3559,
0.3851

 4.8053, 0.4340,
0.5021

225.7547, 0.3532,
0.3814

 2.1335, 0.4561,
0.5439

273.2497, 0.3508,

 0.6834, 0.4279,

0.3782

0.5721

326.9786, 0.3486,
0.3753

0.0000, 0.0000,
0.0000

50.1688, 0.3778,
0.4150

50.1688, 0.3778,
0.4150

48.4679, 0.3942,
0.4347

52.0029, 0.3610,
0.3938

46.8867, 0.4095,
0.4520

53.9694, 0.3443,
0.3721

45.4201, 0.4230,
0.4659


56.0761, 0.3283,
0.3505

44.0599, 0.4341,
0.4757

58.3283, 0.3131,
0.3296


42.7960, 0.4424,
0.4809

60.7309, 0.2990,
0.3098

 41.6429, 0.4482,
0.4823

 63.2887, 0.2861,
0.2912

 65.6335, 0.2776,
0.2798

 67.1125, 0.2779,
0.2831

 68.6189, 0.2781,
0.2864

Harmonies

Analogous

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



50.1688, 0.4076, 0.3886



50.1688, 0.3778, 0.4150



50.1688, 0.3318, 0.4178

Triad

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



50.1688, 0.3778, 0.4150



50.1688, 0.2236, 0.2945



50.1688, 0.3382, 0.2775

Complementary

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



50.1688, 0.3778, 0.4150



24.7069, 0.2415, 0.2249

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.



50.1688, 0.2875, 0.2553



50.1688, 0.3778, 0.4150



50.1688, 0.2249, 0.2620

Square

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



50.1688, 0.3778, 0.4150



50.1688, 0.2439, 0.3422



50.1688, 0.2472, 0.2492



50.1688, 0.3848, 0.3113

Rectangle

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



50.1688, 0.3778, 0.4150



50.1688, 0.2986, 0.4025



50.1688, 0.2472, 0.2492



50.1688, 0.3209, 0.2685

Sweetspot

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



50.1711, 0.3778, 0.4150



95.3313, 0.3313, 0.3545



27.5203, 0.3981, 0.3133



20.3008, 0.3334, 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.



50.1711, 0.3778, 0.4150



83.4563, 0.3916, 0.4317



51.9640, 0.3481, 0.4366



12.1394, 0.3269, 0.3485



26.2945, 0.4477, 0.4827



1.3198, 0.4409, 0.4881

Inverse Universe

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



24.7069, 0.2415, 0.2249



34.2089, 0.2248, 0.1988



23.9800, 0.2641, 0.2144



10.5363, 0.2983, 0.3087



3.3100, 0.1537, 0.0731



0.2401, 0.1626, 0.1052

Previews

White Background



This preview shows how the Yxy color 50.1688, 0.3778, 0.4150 looks on a white background.

Color Contrast Check

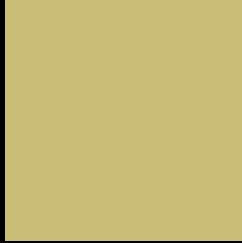
Large Text (above 18pt) WCAG AA × Fail

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 50.1688, 0.3778, 0.4150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

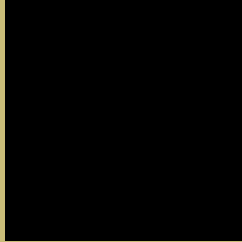
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1688, 0.3778, 0.4150

Background



This preview shows how black text looks on a background with the Yxy color 50.1688, 0.3778, 0.4150.



This preview shows how white text looks on a background with the Yxy color 50.1688, 0.3778, 0.4150.

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

50.1688, 0.3778, 0.4150

Protanopia

50.3016, 0.3819, 0.4127

Deuteranopia

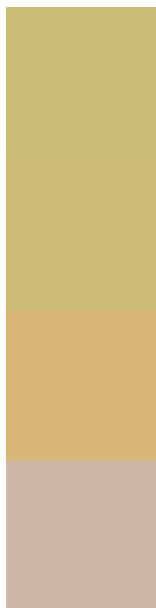
50.2164, 0.4037, 0.3960



Tritanopia

50.0929, 0.3264, 0.3123

Trichromacy



Original Color

50.1688, 0.3778, 0.4150

Protanomaly

50.1599, 0.3810, 0.4130

Deuteranomaly

49.9992, 0.3947, 0.4027

Tritanomaly

49.7788, 0.3459, 0.3488

Monochromacy



Original Color

50.1688, 0.3778, 0.4150

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.7674, 0.3369, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1688, 0.3778, 0.4150 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(201, 189, 120)` looks like.

```
.text, #text, p{  
    color:rgb(201, 189, 120)  
}
```

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(201, 189, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 189, 120) }
```

Border

The CSS property to change the border of an element to Yxy 50.1688, 0.3778, 0.4150 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(201, 189, 120) }
```

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

```
.border{ border-color:rgb(201, 189, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 189, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 189, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 189, 120);  
box-shadow:4px 4px 4px 4px rgb(201, 189,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1688, 0.3778, 0.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 189, 120) }
```

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

```
.background{ background-color: rgb(201,  
189, 120) }
```

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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