

Converting Colors

$Y_{xy}(50.5080, 0.3700, 0.4083)$

Have a look what the booklet for
Yxy(50.5080, 0.3700, 0.4083)
contains.

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Color

Yxy(50.5013, 0.3702, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	C7BE7F
RGB	199, 190, 127
RGB Percent	78%, 75%, 50%
CMY	0.2196, 0.2549, 0.5019
CMYK	0.00, 0.05, 0.36, 0.22
HSL	52°, 39%, 64%
HSV	52°, 36%, 78%
XYZ	45.8001, 50.5013, 27.4157
YIQ	185.5090, 25.5870, -17.6850

Conversions

Conversions Part 2

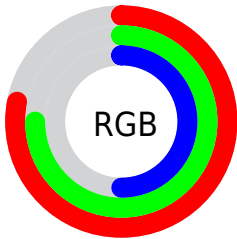
Format	Color
RYB	137, 199, 127
Decimal	13090431
CIELab	76.38, -6.18, 32.98
CIElCh	76, 33.550, 100.612
Yxy	50.5013, 0.3702, 0.4082
Android (android.graphics.Color)	4291280511 (0xFFC7BE7F)
YUV	185.5090, -28.8449, 11.8316
Hunter-Lab	71.0643, -9.3214, 26.8717

Details

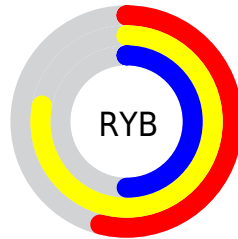
The Yxy color **50.5013, 0.3702, 0.4082** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.2513, 0.2494, 0.2349**, and the grayscale version is **48.9697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4668, 0.3597, 0.3947**, and **24.3564, 0.3841, 0.4294** is the 20% darker color. If you saturate the color by 10%, you get **48.9652, 0.3864, 0.4290**, and if you desaturate by 10%, it is **52.1629, 0.3537, 0.3862**.

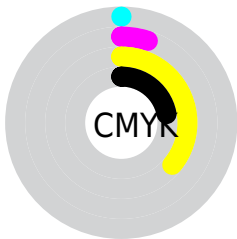
Distribution



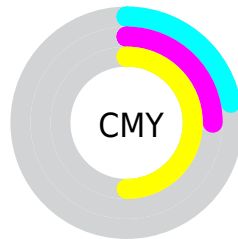
- Red (78%)
- Green (75%)
- Blue (50%)



- Red (54%)
- Yellow (78%)
- Blue (50%)



- Cyan (0%)
- Magenta (5%)
- Yellow (36%)
- Black (22%)





- Cyan (22%)
- Magenta (25%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5013, 0.3702, 0.4082 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 50.5013, 0.3702, 0.4082 by changing the saturation by 10% instead.


 50.5013, 0.3702,
0.4082

 50.5013, 0.3702,
0.4082


388.6231, 0.3426,
0.3691

 35.8119, 0.3766,
0.4176


 90.9172, 0.3605,
0.3942

 24.2889, 0.3844,
0.4294


 117.4124, 0.3568,
0.3889

 15.5481, 0.3941,
0.4446


 148.6117, 0.3536,
0.3844

 9.2049, 0.4062,
0.4644

184.8995, 0.3508,
0.3805

 4.8751, 0.4209,
0.4910

226.6602, 0.3484,
0.3771

 2.1742, 0.4535,
0.5465

274.2780, 0.3462,

 0.7059, 0.4242,

0.3741

0.5758

328.1375, 0.3443,
0.3715

0.0000, 0.0000,
0.0000

50.5013, 0.3702,
0.4082

50.5013, 0.3702,
0.4082

48.9652, 0.3864,
0.4290

52.1629, 0.3537,
0.3862

47.5416, 0.4016,
0.4478

53.9488, 0.3375,
0.3640

46.2259, 0.4152,
0.4635

55.8666, 0.3219,
0.3421

45.0106, 0.4266,
0.4753

57.9211, 0.3072,
0.3211

43.8867, 0.4354,
0.4826

60.1170, 0.2936,
0.3013

■ 42.8431, 0.4414,
0.4857

■ 62.4588, 0.2811,
0.2828

■ 42.4571, 0.4433,
0.4862

■ 64.1998, 0.2761,
0.2769

■ 65.4194, 0.2764,
0.2797

■ 66.6582, 0.2766,
0.2825

Harmonies

Analogous

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



50.5013, 0.3982, 0.3857



50.5013, 0.3702, 0.4082



50.5013, 0.3278, 0.4085

Triad

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



50.5013, 0.3702, 0.4082



50.5013, 0.2306, 0.2958



50.5013, 0.3388, 0.2834

Complementary

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



50.5013, 0.3702, 0.4082



26.2513, 0.2494, 0.2349

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.



50.5013, 0.2924, 0.2621



50.5013, 0.3702, 0.4082



50.5013, 0.2329, 0.2668

Square

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



50.5013, 0.3702, 0.4082



50.5013, 0.2483, 0.3385



50.5013, 0.2546, 0.2557



50.5013, 0.3802, 0.3151

Rectangle

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



50.5013, 0.3702, 0.4082



50.5013, 0.2976, 0.3935



50.5013, 0.2546, 0.2557



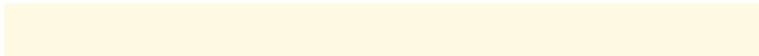
50.5013, 0.3231, 0.2749

Sweetspot

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



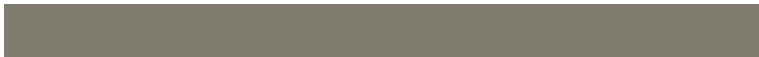
50.5036, 0.3702, 0.4082



96.1041, 0.3296, 0.3529



29.1203, 0.3873, 0.3165



20.4718, 0.3317, 0.3559



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.



50.5036, 0.3702, 0.4082



86.3908, 0.3823, 0.4239



51.2245, 0.3438, 0.4254



12.1817, 0.3268, 0.3490



27.3858, 0.4429, 0.4865



1.3619, 0.4374, 0.4909

Inverse Universe

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



26.2513, 0.2494, 0.2349



38.0925, 0.2344, 0.2116



26.1181, 0.2713, 0.2278



10.4978, 0.2983, 0.3081



3.1669, 0.1529, 0.0703



0.2225, 0.1608, 0.0987

Previews

White Background



This preview shows how the Yxy color 50.5013, 0.3702, 0.4082 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 50.5013, 0.3702, 0.4082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

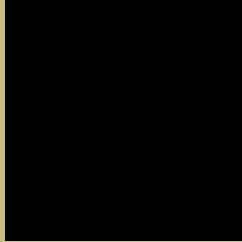
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.5013, 0.3702, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 50.5013, 0.3702, 0.4082.



This preview shows how white text looks on a background with the Yxy color 50.5013, 0.3702, 0.4082.

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

50.5013, 0.3702, 0.4082

Protanopia

50.3102, 0.3764, 0.4059

Deuteranopia

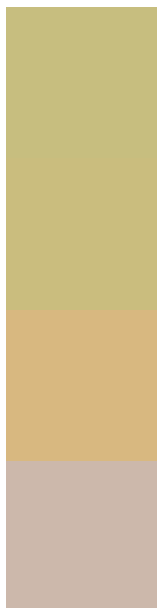
50.2350, 0.3969, 0.3884



Tritanopia

50.2987, 0.3229, 0.3111

Trichromacy



Original Color

50.5013, 0.3702, 0.4082

Protanomaly

50.4581, 0.3741, 0.4075

Deuteranomaly

50.4384, 0.3876, 0.3961

Tritanomaly

50.0586, 0.3406, 0.3451

Monochromacy



Original Color

50.5013, 0.3702, 0.4082

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.3336, 0.3335, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5013, 0.3702, 0.4082 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(199, 190, 127)` looks like.

```
.text, #text, p{  
    color:rgb(199, 190, 127)  
}
```

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(199, 190, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 190, 127) }
```

Border

The CSS property to change the border of an element to Yxy 50.5013, 0.3702, 0.4082 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(199, 190, 127) }
```

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

```
.border{ border-color:rgb(199, 190, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 190, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 190, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 190, 127);  
box-shadow:4px 4px 4px 4px rgb(199, 190,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5013, 0.3702, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 190, 127) }
```

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

```
.background{ background-color: rgb(199,  
190, 127) }
```

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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