

Converting Colors

$Yxy(49.9456, 0.3676, 0.4077)$

Have a look what the booklet for
Yxy(49.9456, 0.3676, 0.4077)
contains.

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Color

Yxy(50.1212, 0.3667, 0.4078)

Conversions

Conversions Part 1

Format	Color
Hex	C4BE80
RGB	196, 190, 128
RGB Percent	77%, 75%, 50%
CMY	0.2315, 0.2549, 0.4981
CMYK	0.00, 0.03, 0.35, 0.23
HSL	55°, 37%, 64%
HSV	55°, 35%, 77%
XYZ	45.0697, 50.1212, 27.7154
YIQ	184.7260, 23.4780, -18.0100

Conversions

Conversions Part 2

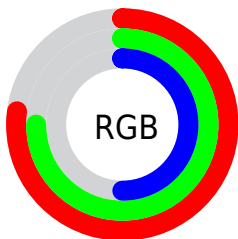
Format	Color
RYB	135, 196, 128
Decimal	12893824
CIELab	76.14, -7.27, 32.12
CIELCh	76, 32.930, 102.757
Yxy	50.1212, 0.3667, 0.4078
Android (android.graphics.Color)	4291083904 (0xFFC4BE80)
YUV	184.7260, -27.9659, 9.8873
Hunter-Lab	70.7963, -10.2584, 26.3466

Details

The Yxy color **50.1212, 0.3667, 0.4078** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.6095, 0.2519, 0.2356**, and the grayscale version is **48.5030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1304, 0.3576, 0.3940**, and **24.1041, 0.3795, 0.4293** is the 20% darker color. If you saturate the color by 10%, you get **48.9157, 0.3822, 0.4295**, and if you desaturate by 10%, it is **51.4397, 0.3508, 0.3850**.

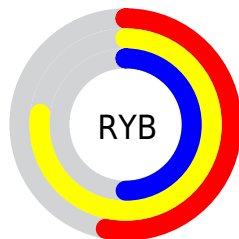
Distribution



Red (77%)

Green (75%)

Blue (50%)



Red (53%)

Yellow (77%)

Blue (50%)

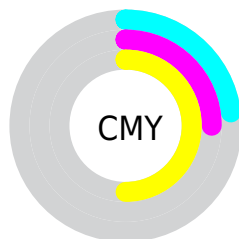


Cyan (0%)

Magenta (3%)

Yellow (35%)

Black (23%)



Cyan (23%)


Magenta (25%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1212, 0.3667, 0.4078 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 50.1212, 0.3667, 0.4078 by changing the saturation by 10% instead.


 50.1212, 0.3667,
0.4078

 50.1212, 0.3667,
0.4078


387.1397, 0.3408,
0.3687


 35.5097, 0.3727,
0.4173


 90.3544, 0.3576,
0.3938

 24.0558, 0.3800,
0.4292


 116.7450, 0.3541,
0.3884

 15.3750, 0.3891,
0.4446


 147.8306, 0.3511,
0.3839

 9.0830, 0.4005,
0.4651

183.9958, 0.3485,
0.3800

 4.7954, 0.4143,
0.4927

225.6249, 0.3462,
0.3766

 2.1277, 0.4471,
0.5529

273.1023, 0.3442,

 0.6801, 0.4081,

0.3737

0.5919

326.8125, 0.3424,
0.3711

0.0000, 0.0000,
0.0000

50.1212, 0.3667,
0.4078

50.1212, 0.3667,
0.4078

48.9157, 0.3822,
0.4295

51.4397, 0.3508,
0.3850

47.8106, 0.3967,
0.4491

52.8698, 0.3349,
0.3620

46.8017, 0.4096,
0.4658


54.4185, 0.3196,
0.3393

45.8820, 0.4202,
0.4786


56.0907, 0.3051,
0.3176


45.0432, 0.4282,
0.4871

57.8906, 0.2916,
0.2971

 44.2751, 0.4335,
0.4912

 59.8224, 0.2792,
0.2781

 43.8859, 0.4356,
0.4923

 61.2176, 0.2737,
0.2705

 62.0294, 0.2738,
0.2725

 62.8502, 0.2740,
0.2744

Harmonies

Analogous

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



50.1212, 0.3956, 0.3870



50.1212, 0.3667, 0.4078



50.1212, 0.3244, 0.4061

Triad

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



50.1212, 0.3667, 0.4078



50.1212, 0.2313, 0.2938



50.1212, 0.3416, 0.2860

Complementary

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



50.1212, 0.3667, 0.4078



25.6095, 0.2519, 0.2356

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.



50.1212, 0.2959, 0.2642



50.1212, 0.3667, 0.4078



50.1212, 0.2350, 0.2664

Square

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



50.1212, 0.3667, 0.4078



50.1212, 0.2474, 0.3352



50.1212, 0.2577, 0.2567



50.1212, 0.3815, 0.3178

Rectangle

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



50.1212, 0.3667, 0.4078



50.1212, 0.2948, 0.3902



50.1212, 0.2577, 0.2567



50.1212, 0.3263, 0.2773

Sweetspot

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



50.1235, 0.3667, 0.4078



97.0458, 0.3279, 0.3516



28.9107, 0.3856, 0.3200



20.6868, 0.3301, 0.3549



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.



50.1235, 0.3667, 0.4078



89.0648, 0.3791, 0.4252



49.4394, 0.3407, 0.4217



11.6023, 0.3267, 0.3498



28.2696, 0.4354, 0.4925



1.2666, 0.4314, 0.4957

Inverse Universe

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



25.6095, 0.2519, 0.2356



37.7214, 0.2356, 0.2099



26.4058, 0.2757, 0.2331



9.8869, 0.2983, 0.3073



2.8776, 0.1518, 0.0666



0.1738, 0.1581, 0.0892

Previews

White Background



This preview shows how the Yxy color 50.1212, 0.3667, 0.4078 looks on a white background.

Color Contrast Check

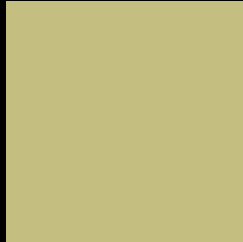
Large Text (above 18pt) WCAG AA × Fail

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 50.1212, 0.3667, 0.4078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

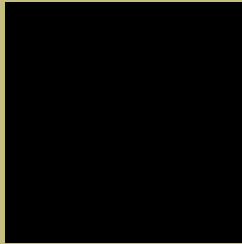
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1212, 0.3667, 0.4078

Background



This preview shows how black text looks on a background with the Yxy color 50.1212, 0.3667, 0.4078.



This preview shows how white text looks on a background with the Yxy color 50.1212, 0.3667, 0.4078.

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

50.1212, 0.3667, 0.4078

Protanopia

50.1953, 0.3747, 0.4049

Deuteranopia

50.1015, 0.3952, 0.3875



Tritanopia

49.8706, 0.3204, 0.3109

Trichromacy



Original Color

50.1212, 0.3667, 0.4078

Protanomaly

50.2069, 0.3715, 0.4068

Deuteranomaly

50.1621, 0.3849, 0.3954

Tritanomaly

49.6388, 0.3379, 0.3453

Monochromacy



Original Color

50.1212, 0.3667, 0.4078

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.0398, 0.3326, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1212, 0.3667, 0.4078 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(196, 190, 128)` looks like.

```
.text, #text, p{  
    color:rgb(196, 190, 128)  
}
```

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(196, 190, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 190, 128) }
```

Border

The CSS property to change the border of an element to Yxy 50.1212, 0.3667, 0.4078 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(196, 190, 128) }
```

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

```
.border{ border-color:rgb(196, 190, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 190, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 190, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 190, 128);  
box-shadow:4px 4px 4px 4px rgb(196, 190,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1212, 0.3667, 0.4078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 190, 128) }
```

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

```
.background{ background-color: rgb(196,  
190, 128) }
```

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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