

Converting Colors

$Y_{xy}(49.8240, 0.3680, 0.4064)$

Have a look what the booklet for
Yxy(49.8240, 0.3680, 0.4064)
contains.

Yxy(49.8240, 0.3680, 0.4064)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.8240, 0.3680, 0.4064)

Conversions

Conversions Part 1

Format	Color
Hex	C5BD80
RGB	197, 189, 128
RGB Percent	77%, 74%, 50%
CMY	0.2275, 0.2588, 0.4981
CMYK	0.00, 0.04, 0.35, 0.23
HSL	53°, 37%, 64%
HSV	53°, 35%, 77%
XYZ	45.1162, 49.8240, 27.6582
YIQ	184.4380, 24.3490, -17.2750

Conversions

Conversions Part 2

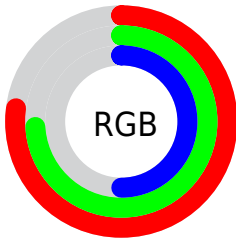
Format	Color
RYB	137, 197, 128
Decimal	12959104
CIELab	75.96, -6.35, 31.89
CIElCh	76, 32.516, 101.263
Yxy	49.8240, 0.3680, 0.4064
Android (android.graphics.Color)	4291149184 (0xFFC5BD80)
YUV	184.4380, -27.8239, 11.0169
Hunter-Lab	70.5861, -9.4346, 26.1783

Details

The Yxy color **49.8240, 0.3680, 0.4064** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.2180, 0.2516, 0.2375**, and the grayscale version is **48.3343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9010, 0.3593, 0.3928**, and **23.9092, 0.3814, 0.4274** is the 20% darker color. If you saturate the color by 10%, you get **48.3851, 0.3840, 0.4276**, and if you desaturate by 10%, it is **51.3835, 0.3517, 0.3842**.

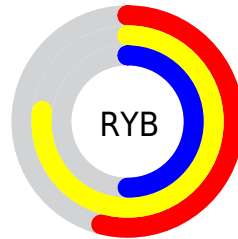
Distribution



Red (77%)

Green (74%)

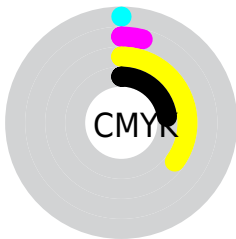
Blue (50%)



Red (54%)

Yellow (77%)

Blue (50%)

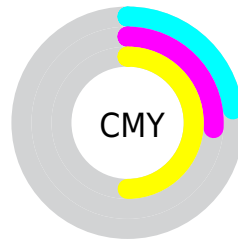


Cyan (0%)

Magenta (4%)

Yellow (35%)

Black (23%)



Cyan (23%)


Magenta (26%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8240, 0.3680, 0.4064 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 49.8240, 0.3680, 0.4064 by changing the saturation by 10% instead.

 49.8240, 0.3680,
0.4064


 49.8240, 0.3680,
0.4064


385.9773, 0.3414,
0.3681


 35.2736, 0.3742,
0.4157


 89.9141, 0.3587,
0.3926

 23.8737, 0.3818,
0.4274


 116.2225, 0.3550,
0.3874

 15.2399, 0.3912,
0.4425


 147.2190, 0.3519,
0.3830

 8.9880, 0.4031,
0.4624

183.2881, 0.3493,
0.3792

 4.7333, 0.4177,
0.4893

224.8140, 0.3469,
0.3758

 2.0917, 0.4521,
0.5479

272.1813, 0.3449,

 0.6599, 0.4171,

0.3729

0.5829

325.7742, 0.3430,
0.3703

0.0000, 0.0000,
0.0000

49.8240, 0.3680,
0.4064

49.8240, 0.3680,
0.4064

48.3851, 0.3840,
0.4276

51.3835, 0.3517,
0.3842

47.0541, 0.3992,
0.4467

53.0623, 0.3356,
0.3617

45.8267, 0.4127,
0.4629

54.8676, 0.3202,
0.3397

44.6956, 0.4241,
0.4753

56.8043, 0.3056,
0.3186

43.6523, 0.4329,
0.4834

58.8768, 0.2921,
0.2988

■ 42.6866, 0.4389,
0.4870

■ 61.0893, 0.2797,
0.2803

■ 42.2248, 0.4413,
0.4878

■ 62.7251, 0.2746,
0.2739

■ 63.8218, 0.2748,
0.2765

■ 64.9345, 0.2750,
0.2791

Harmonies

Analogous

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



49.8240, 0.3956, 0.3850



49.8240, 0.3680, 0.4064



49.8240, 0.3266, 0.4060

Triad

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



49.8240, 0.3680, 0.4064



49.8240, 0.2324, 0.2960



49.8240, 0.3391, 0.2851

Complementary

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



49.8240, 0.3680, 0.4064



26.2180, 0.2516, 0.2375

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.



49.8240, 0.2939, 0.2640



49.8240, 0.3680, 0.4064



49.8240, 0.2351, 0.2680

Square

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



49.8240, 0.3680, 0.4064



49.8240, 0.2493, 0.3374



49.8240, 0.2567, 0.2575



49.8240, 0.3791, 0.3163

Rectangle

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



49.8240, 0.3680, 0.4064



49.8240, 0.2971, 0.3910



49.8240, 0.2567, 0.2575



49.8240, 0.3239, 0.2767

Sweetspot

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



49.8263, 0.3680, 0.4064



96.2724, 0.3296, 0.3532



29.0835, 0.3852, 0.3184



20.5122, 0.3317, 0.3562



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.



49.8263, 0.3680, 0.4064



87.2705, 0.3803, 0.4227



50.0896, 0.3419, 0.4224



12.1996, 0.3268, 0.3493



27.8571, 0.4410, 0.4881



1.3799, 0.4359, 0.4921

Inverse Universe

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



26.2180, 0.2516, 0.2375



38.7445, 0.2362, 0.2135



26.3803, 0.2741, 0.2317



10.4816, 0.2983, 0.3079



3.1126, 0.1526, 0.0692



0.2151, 0.1600, 0.0960

Previews

White Background



This preview shows how the Yxy color 49.8240, 0.3680, 0.4064 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 49.8240, 0.3680, 0.4064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

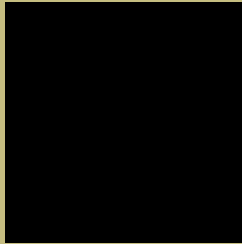
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8240, 0.3680, 0.4064

Background



This preview shows how black text looks on a background with the Yxy color 49.8240, 0.3680, 0.4064.



This preview shows how white text looks on a background with the Yxy color 49.8240, 0.3680, 0.4064.

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

49.8240, 0.3680, 0.4064

Protanopia

49.7695, 0.3751, 0.4038

Deuteranopia

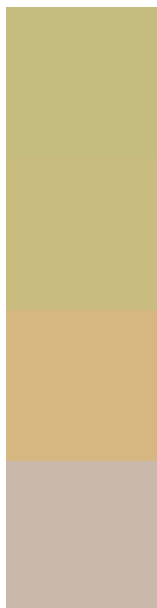
49.5399, 0.3947, 0.3866



Tritanopia

49.9670, 0.3220, 0.3121

Trichromacy



Original Color

49.8240, 0.3680, 0.4064

Protanomaly

49.9163, 0.3728, 0.4055

Deuteranomaly

49.7481, 0.3854, 0.3943

Tritanomaly

49.7778, 0.3388, 0.3452

Monochromacy



Original Color

49.8240, 0.3680, 0.4064

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.6170, 0.3327, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8240, 0.3680, 0.4064 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(197, 189, 128)` looks like.

```
.text, #text, p{  
    color:rgb(197, 189, 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(197, 189, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 189, 128) }
```

Border

The CSS property to change the border of an element to Yxy 49.8240, 0.3680, 0.4064 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(197, 189, 128) }
```

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

```
.border{ border-color:rgb(197, 189, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 189, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 189, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 189, 128);  
box-shadow:4px 4px 4px 4px rgb(197, 189,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8240, 0.3680, 0.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 189, 128) }
```

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

```
.background{ background-color: rgb(197,  
189, 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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