

Converting Colors

Yxy(50.5412, 0.3906, 0.4736)

Have a look what the booklet for
Yxy(50.5412, 0.3906, 0.4736)
contains.

Yxy(50.7070, 0.3904, 0.4733)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.7070, 0.3904, 0.4733)

Conversions

Conversions Part 1

Format	Color
Hex	BCC44D
RGB	188, 196, 77
RGB Percent	74%, 77%, 30%
CMY	0.2626, 0.2314, 0.6981
CMYK	0.04, 0.00, 0.61, 0.23
HSL	64°, 50%, 54%
HSV	64°, 61%, 77%
XYZ	41.8255, 50.7070, 14.6025
YIQ	180.0420, 33.4310, -38.7050

Conversions

Conversions Part 2

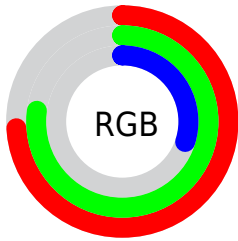
Format	Color
RYB	77, 196, 85
Decimal	12371021
CIELab	76.50, -18.40, 57.11
CIELCh	77, 60.003, 107.860
Yxy	50.7070, 0.3904, 0.4733
Android (android.graphics.Color)	4290561101 (0xFFBCC44D)
YUV	180.0420, -50.7997, 6.9792
Hunter-Lab	71.2088, -19.7710, 37.6878

Details

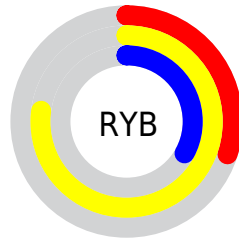
The Yxy color **50.7070, 0.3904, 0.4733** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **11.2212, 0.2017, 0.1384**, and the grayscale version is **45.9340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8523, 0.3794, 0.4482**, and **24.2952, 0.4034, 0.5079** is the 20% darker color. If you saturate the color by 10%, you get **50.3073, 0.3984, 0.4899**, and if you desaturate by 10%, it is **51.1963, 0.3802, 0.4532**.

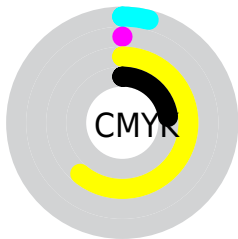
Distribution



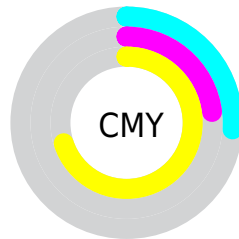
- Red (74%)
- Green (77%)
- Blue (30%)



- Red (30%)
- Yellow (77%)
- Blue (33%)



- Cyan (4%)
- Magenta (0%)
- Yellow (61%)
- Black (23%)




- Cyan (26%)
- Magenta (23%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7070, 0.3904, 0.4733 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 50.7070, 0.3904, 0.4733 by changing the saturation by 10% instead.


 50.7070, 0.3904,
0.4733

 50.7070, 0.3904,
0.4733


389.4243, 0.3566,
0.4028


 35.9755, 0.3965,
0.4893


 91.2215, 0.3797,
0.4487


 24.4153, 0.4028,
0.5085


 117.7733, 0.3752,
0.4391


 15.6419, 0.4085,
0.5314


 149.0340, 0.3712,
0.4309

 9.2711, 0.4138,
0.5615

 185.3879, 0.3676,
0.4237

 4.9185, 0.4089,
0.5911

 227.2195, 0.3644,
0.4175

 2.1995, 0.3838,
0.6162

274.9132, 0.3616,

 0.7197, 0.2460,

0.4120

0.7540

328.8534, 0.3590,
0.4072

0.0000, 0.0000,
0.0000

50.7070, 0.3904,
0.4733

50.7070, 0.3904,
0.4733

50.3073, 0.3984,
0.4899

51.1963, 0.3802,
0.4532

49.9823, 0.4039,
0.5022

51.7750, 0.3682,
0.4303

49.7253, 0.4068,
0.5102

52.4514, 0.3551,
0.4058

49.5313, 0.4076,
0.5145

53.2313, 0.3413,
0.3804

54.1196, 0.3273,
0.3552

■ 55.1213, 0.3137,
0.3307

■ 56.2408, 0.3006,
0.3075

■ 57.4823, 0.2882,
0.2857

■ 58.8500, 0.2767,
0.2656

Harmonies

Analogous

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



50.7070, 0.4501, 0.4313



50.7070, 0.3904, 0.4733



50.7070, 0.3142, 0.4714

Triad

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



50.7070, 0.3904, 0.4733



50.7070, 0.1740, 0.2520



50.7070, 0.3773, 0.2629

Complementary

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



50.7070, 0.3904, 0.4733



11.2212, 0.2017, 0.1384

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.



50.7070, 0.2937, 0.2250



50.7070, 0.3904, 0.4733



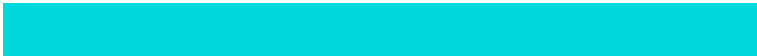
50.7070, 0.1856, 0.2151

Square

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



50.7070, 0.3904, 0.4733



50.7070, 0.1923, 0.3217



50.7070, 0.2260, 0.2077



50.7070, 0.4475, 0.3151

Rectangle

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



50.7070, 0.3904, 0.4733



50.7070, 0.2641, 0.4359



50.7070, 0.2260, 0.2077



50.7070, 0.3492, 0.2483

Sweetspot

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



50.7093, 0.3904, 0.4733



96.8111, 0.3379, 0.3743



18.7564, 0.4945, 0.3392



20.6249, 0.3420, 0.3818



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.



50.7093, 0.3904, 0.4733



90.9236, 0.4006, 0.4946



44.6458, 0.3387, 0.5030



11.7230, 0.3255, 0.3518



31.8432, 0.4078, 0.5144



1.3863, 0.4105, 0.5122

Inverse Universe

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



11.2212, 0.2017, 0.1384



13.2201, 0.1777, 0.0996



15.2601, 0.2592, 0.1635



9.7794, 0.2993, 0.3053



2.6303, 0.1524, 0.0613



0.1249, 0.1613, 0.0662

Previews

White Background



This preview shows how the Yxy color 50.7070, 0.3904, 0.4733 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 50.7070, 0.3904, 0.4733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

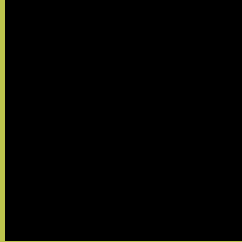
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7070, 0.3904, 0.4733

Background



This preview shows how black text looks on a background with the Yxy color 50.7070, 0.3904, 0.4733.



This preview shows how white text looks on a background with the Yxy color 50.7070, 0.3904, 0.4733.

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

50.7070, 0.3904, 0.4733

Protanopia

50.6048, 0.4161, 0.4573

Deuteranopia

50.3418, 0.4412, 0.4306



Tritanopia

50.6376, 0.3152, 0.3120

Trichromacy



Original Color

50.7070, 0.3904, 0.4733

Protanomaly

50.7776, 0.4062, 0.4634

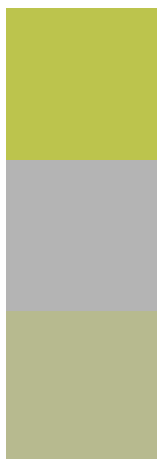
Deuteranomaly

50.0288, 0.4226, 0.4459

Tritanomaly

50.0353, 0.3466, 0.3723

Monochromacy



Original Color

50.7070, 0.3904, 0.4733

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.1683, 0.3444, 0.3863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7070, 0.3904, 0.4733 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(188, 196, 77)` looks like.

```
.text, #text, p{  
    color:rgb(188, 196, 77)  
}
```

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(188, 196, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 196, 77) }
```

Border

The CSS property to change the border of an element to Yxy 50.7070, 0.3904, 0.4733 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(188, 196, 77) }
```

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

```
.border{ border-color:rgb(188, 196, 77) }
```

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

Here you see how a box with a 4 pixel rgb(188, 196, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 196, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 196, 77);  
box-shadow:4px 4px 4px 4px rgb(188, 196,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7070, 0.3904, 0.4733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 196, 77) }
```

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

```
.background{ background-color: rgb(188,  
196, 77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor