

Converting Colors

Yxy(53.8883, 0.3811, 0.4901)

Have a look what the booklet for
Yxy(53.8883, 0.3811, 0.4901)
contains.

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Color

Yxy(53.8209, 0.3808, 0.4904)

Conversions

Conversions Part 1

Format	Color
Hex	B4CD47
RGB	180, 205, 71
RGB Percent	71%, 80%, 28%
CMY	0.2940, 0.1961, 0.7218
CMYK	0.12, 0.00, 0.65, 0.20
HSL	71°, 57%, 54%
HSV	71°, 65%, 80%
XYZ	41.7924, 53.8209, 14.1357
YIQ	182.2490, 28.1140, -46.9740

Conversions

Conversions Part 2

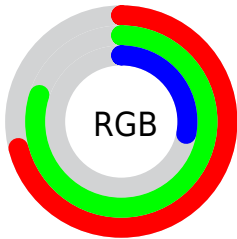
Format	Color
RYB	71, 205, 96
Decimal	11849031
CIELab	78.36, -26.50, 61.41
CIElCh	78, 66.889, 113.342
Yxy	53.8209, 0.3808, 0.4904
Android (android.graphics.Color)	4290039111 (0xFFB4CD47)
YUV	182.2490, -54.8458, -1.9724
Hunter-Lab	73.3627, -26.6990, 39.9298

Details

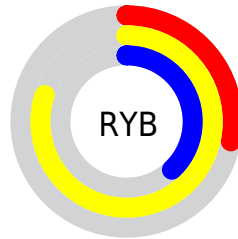
The Yxy color **53.8209, 0.3808, 0.4904** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **11.3889, 0.2044, 0.1287**, and the grayscale version is **47.2147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2035, 0.3751, 0.4574**, and **26.4183, 0.3885, 0.5297** is the 20% darker color. If you saturate the color by 10%, you get **53.1510, 0.3855, 0.5076**, and if you desaturate by 10%, it is **54.5971, 0.3737, 0.4694**.

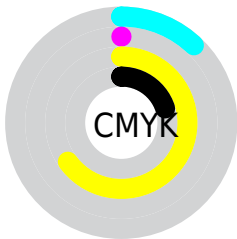
Distribution



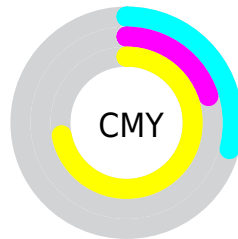
- Red (71%)
- Green (80%)
- Blue (28%)



- Red (28%)
- Yellow (80%)
- Blue (38%)



- Cyan (12%)
- Magenta (0%)
- Yellow (65%)
- Black (20%)





- Cyan (29%)
- Magenta (20%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.8209, 0.3808, 0.4904 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 53.8209, 0.3808, 0.4904 by changing the saturation by 10% instead.


 53.8209, 0.3808,
0.4904


 53.8209, 0.3808,
0.4904


401.4267, 0.3533,
0.4115


 38.4585, 0.3850,
0.5083


 95.8112, 0.3727,
0.4628


 26.3387, 0.3887,
0.5298


 123.2079, 0.3691,
0.4521


 17.0772, 0.3907,
0.5555


 155.3849, 0.3658,
0.4429

 10.2896, 0.3912,
0.5899

 192.7264, 0.3627,
0.4349

 5.5914, 0.3779,
0.6221

 235.6170, 0.3600,
0.4279

 2.5982, 0.3447,
0.6553

284.4409, 0.3575,

 0.9258, 0.2007,

0.4218

0.7993

339.5827, 0.3553,
0.4163

0.0000, 0.0000,
0.0000

53.8209, 0.3808,
0.4904

53.8209, 0.3808,
0.4904

53.1510, 0.3855,
0.5076

54.5971, 0.3737,
0.4694

52.5705, 0.3876,
0.5203

55.4803, 0.3647,
0.4456

52.0705, 0.3872,
0.5285

56.4803, 0.3542,
0.4200

51.8573, 0.3865,
0.5313

57.6037, 0.3427,
0.3936

58.8565, 0.3309,
0.3674

■ 60.2443, 0.3190,
0.3421

■ 61.7723, 0.3074,
0.3182

■ 63.4456, 0.2964,
0.2958

■ 65.2405, 0.2863,
0.2757

Harmonies

Analogous

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



53.8209, 0.4508, 0.4482



53.8209, 0.3808, 0.4904



53.8209, 0.2976, 0.4786

Triad

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



53.8209, 0.3808, 0.4904



53.8209, 0.1637, 0.2349



53.8209, 0.3992, 0.2668

Complementary

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



53.8209, 0.3808, 0.4904



11.3889, 0.2044, 0.1287

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.



53.8209, 0.3076, 0.2231



53.8209, 0.3808, 0.4904



53.8209, 0.1816, 0.2025

Square

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



53.8209, 0.3808, 0.4904



53.8209, 0.1766, 0.3036



53.8209, 0.2300, 0.2002



53.8209, 0.4693, 0.3238

Rectangle

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



53.8209, 0.3808, 0.4904



53.8209, 0.2454, 0.4318



53.8209, 0.2300, 0.2002



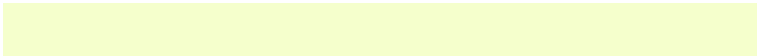
53.8209, 0.3690, 0.2503

Sweetspot

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



53.8233, 0.3808, 0.4904



95.3813, 0.3367, 0.3801



21.7112, 0.5017, 0.3577



20.2922, 0.3400, 0.3876



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.



53.8233, 0.3808, 0.4904



86.7015, 0.3865, 0.5127



47.6546, 0.3276, 0.5233



12.9869, 0.3237, 0.3521



32.3209, 0.3870, 0.5309



1.6955, 0.3937, 0.5256

Inverse Universe

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



11.3889, 0.2044, 0.1287



12.3940, 0.1816, 0.0938



16.6453, 0.2709, 0.1594



10.9429, 0.3011, 0.3052



3.0336, 0.1592, 0.0651



0.1876, 0.1774, 0.0751

Previews

White Background



This preview shows how the Yxy color 53.8209, 0.3808, 0.4904 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 53.8209, 0.3808, 0.4904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

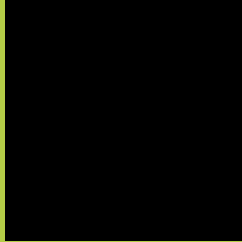
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.8209, 0.3808, 0.4904

Background



This preview shows how black text looks on a background with the Yxy color 53.8209, 0.3808, 0.4904.



This preview shows how white text looks on a background with the Yxy color 53.8209, 0.3808, 0.4904.

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

53.8209, 0.3808, 0.4904

Protanopia

53.5999, 0.4212, 0.4641

Deuteranopia

53.5318, 0.4455, 0.4353



Tritanopia

53.6736, 0.3032, 0.3109

Trichromacy



Original Color

53.8209, 0.3808, 0.4904

Protanomaly

53.5143, 0.4063, 0.4738

Deuteranomaly

53.2673, 0.4219, 0.4555

Tritanomaly

53.2199, 0.3354, 0.3788

Monochromacy



Original Color

53.8209, 0.3808, 0.4904

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.6037, 0.3424, 0.3929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8209, 0.3808, 0.4904 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(180, 205, 71)` looks like.

```
.text, #text, p{  
    color:rgb(180, 205, 71)  
}
```

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(180, 205, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 205, 71) }
```

Border

The CSS property to change the border of an element to Yxy 53.8209, 0.3808, 0.4904 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(180, 205, 71) }
```

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

```
.border{ border-color:rgb(180, 205, 71) }
```

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

Here you see how a box with a 4 pixel rgb(180, 205, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 205, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 205, 71);  
box-shadow:4px 4px 4px 4px rgb(180, 205,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8209, 0.3808, 0.4904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 205, 71) }
```

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

```
.background{ background-color: rgb(180,  
205, 71) }
```

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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