

Converting Colors

Yxy(52.2249, 0.3698, 0.4810)

Have a look what the booklet for
Yxy(52.2249, 0.3698, 0.4810)
contains.

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Color

$\text{Yxy}(52.2206, 0.3700, 0.4812)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | ADCB53 |
| RGB | 173, 203, 83 |
| RGB Percent | 68%, 80%, 33% |
| CMY | 0.3215, 0.2039, 0.6745 |
| CMYK | 0.15, 0.00, 0.59, 0.20 |
| HSL | 75°, 54%, 56% |
| HSV | 75°, 59%, 80% |
| XYZ | 40.1530, 52.2206, 16.1480 |
| YIQ | 180.3500, 20.6400, -43.6800 |

Conversions

Conversions Part 2

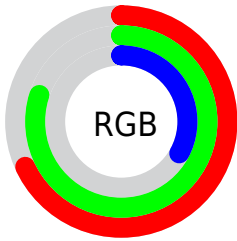
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 83, 203, 113 |
| Decimal | 11389779 |
| CIELab | 77.41, -27.47, 55.19 |
| CIELCh | 77, 61.650, 116.459 |
| Yxy | 52.2206, 0.3700, 0.4812 |
| Android (android.graphics.Color) | 4289579859 (0xFFADCB53) |
| YUV | 180.3500, -47.9935, -6.4459 |
| Hunter-Lab | 72.2638, -27.2791, 37.3358 |

Details

The Yxy color **52.2206, 0.3700, 0.4812** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **14.0104, 0.2229, 0.1510**, and the grayscale version is **46.0972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3151, 0.3647, 0.4498**, and **25.4256, 0.3773, 0.5208** is the 20% darker color. If you saturate the color by 10%, you get **51.3864, 0.3751, 0.5022**, and if you desaturate by 10%, it is **53.1733, 0.3628, 0.4571**.

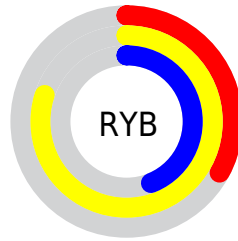
Distribution



Red (68%)

Green (80%)

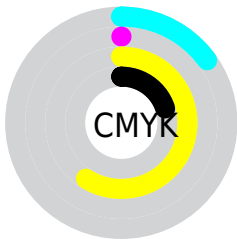
Blue (33%)



Red (33%)

Yellow (80%)

Blue (44%)

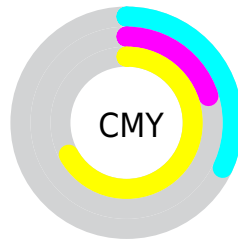


Cyan (15%)

Magenta (0%)

Yellow (59%)

Black (20%)



Cyan (32%)


Magenta (20%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2206, 0.3700, 0.4812 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 52.2206, 0.3700, 0.4812 by changing the saturation by 10% instead.

 52.2206, 0.3700,
0.4812


 52.2206, 0.3700,
0.4812


395.2877, 0.3465,
0.4053


 37.1809, 0.3737,
0.4991


 93.4565, 0.3629,
0.4542

 25.3476, 0.3772,
0.5211

 120.4215, 0.3598,
0.4438

 16.3362, 0.3793,
0.5483


 152.1305, 0.3570,
0.4350

 9.7624, 0.3784,
0.5828

 188.9677, 0.3545,
0.4274

 5.2417, 0.3712,
0.6288

 231.3177, 0.3522,
0.4208

 2.3898, 0.3350,
0.6650

279.5647, 0.3501,

 0.8206, 0.1176,

0.4150

0.8824

334.0932, 0.3482,
0.4099

0.0000, 0.0000,
0.0000

52.2206, 0.3700,
0.4812

52.2206, 0.3700,
0.4812

51.3864, 0.3751,
0.5022

53.1733, 0.3628,
0.4571

50.6550, 0.3777,
0.5191

54.2449, 0.3539,
0.4311

50.0190, 0.3778,
0.5314

55.4445, 0.3439,
0.4041

49.4615, 0.3757,
0.5394

56.7784, 0.3333,
0.3774

49.4137, 0.3755,
0.5401

58.2523, 0.3225,
0.3514

■ 59.8716, 0.3118,
0.3269

■ 61.6414, 0.3015,
0.3040

■ 63.5665, 0.2917,
0.2830

■ 64.9423, 0.2891,
0.2740

Harmonies

Analogous

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



52.2206, 0.4375, 0.4475



52.2206, 0.3700, 0.4812



52.2206, 0.2915, 0.4619

Triad

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



52.2206, 0.3700, 0.4812



52.2206, 0.1724, 0.2365



52.2206, 0.4018, 0.2759

Complementary

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



52.2206, 0.3700, 0.4812



14.0104, 0.2229, 0.1510

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.



52.2206, 0.3170, 0.2326



52.2206, 0.3700, 0.4812



52.2206, 0.1925, 0.2084

Square

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



52.2206, 0.3700, 0.4812



52.2206, 0.1819, 0.2979



52.2206, 0.2417, 0.2086



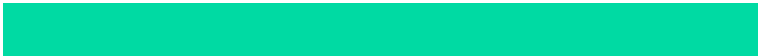
52.2206, 0.4629, 0.3313

Rectangle

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



52.2206, 0.3700, 0.4812



52.2206, 0.2434, 0.4154



52.2206, 0.2417, 0.2086



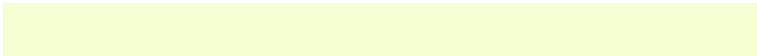
52.2206, 0.3744, 0.2598

Sweetspot

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



52.2229, 0.3700, 0.4812



95.2772, 0.3323, 0.3751



24.6919, 0.4699, 0.3640



20.2459, 0.3355, 0.3829



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.



52.2229, 0.3700, 0.4812



85.6787, 0.3761, 0.5075



46.9827, 0.3237, 0.5071



12.9501, 0.3228, 0.3522



31.4909, 0.3761, 0.5396



1.6590, 0.3849, 0.5326

Inverse Universe

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



14.0104, 0.2229, 0.1510



16.0470, 0.2004, 0.1143



19.1581, 0.2829, 0.1767



10.9772, 0.3021, 0.3053



3.2242, 0.1651, 0.0683



0.2032, 0.1860, 0.0798

Previews

White Background



This preview shows how the Yxy color 52.2206, 0.3700, 0.4812 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 52.2206, 0.3700, 0.4812 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 52.2206, 0.3700, 0.4812

Background



This preview shows how black text looks on a background with the Yxy color 52.2206, 0.3700, 0.4812.



This preview shows how white text looks on a background with the Yxy color 52.2206, 0.3700, 0.4812.

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

52.2206, 0.3700, 0.4812

Protanopia

51.8232, 0.4142, 0.4549

Deuteranopia

52.0100, 0.4361, 0.4269



Tritanopia

51.8479, 0.2985, 0.3092

Trichromacy



Original Color

52.2206, 0.3700, 0.4812

Protanomaly

51.6152, 0.3984, 0.4646

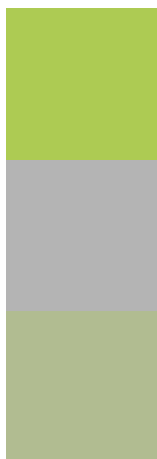
Deuteranomaly

51.6612, 0.4111, 0.4464

Tritanomaly

51.5485, 0.3277, 0.3733

Monochromacy



Original Color

52.2206, 0.3700, 0.4812

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.3579, 0.3370, 0.3871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2206, 0.3700, 0.4812 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(173, 203, 83)` looks like.

```
.text, #text, p{  
    color:rgb(173, 203, 83)  
}
```

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(173, 203, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 203, 83) }
```

Border

The CSS property to change the border of an element to Yxy 52.2206, 0.3700, 0.4812 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(173, 203, 83) }
```

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

```
.border{ border-color:rgb(173, 203, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 203, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 203, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 203, 83);  
box-shadow:4px 4px 4px 4px rgb(173, 203,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2206, 0.3700, 0.4812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 203, 83) }
```

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

```
.background{ background-color: rgb(173,  
203, 83) }
```

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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