

Converting Colors

Yxy(53.2458, 0.3792, 0.5113)

Have a look what the booklet for
Yxy(53.2458, 0.3792, 0.5113)
contains.

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Color

Yxy(53.4196, 0.3784, 0.5116)

Conversions

Conversions Part 1

Format	Color
Hex	AACF34
RGB	170, 207, 52
RGB Percent	67%, 81%, 20%
CMY	0.3333, 0.1882, 0.7958
CMYK	0.18, 0.00, 0.75, 0.19
HSL	74°, 62%, 51%
HSV	74°, 75%, 81%
XYZ	39.5113, 53.4196, 11.4858
YIQ	178.2670, 27.7030, -56.0490

Conversions

Conversions Part 2

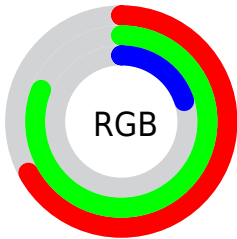
Format	Color
RYB	52, 207, 89
Decimal	11194164
CIELab	78.12, -32.54, 67.78
CIELCh	78, 75.184, 115.643
Yxy	53.4196, 0.3784, 0.5116
Android (android.graphics.Color)	4289384244 (0xFFAACF34)
YUV	178.2670, -62.2496, -7.2502
Hunter-Lab	73.0887, -31.4093, 41.8447

Details

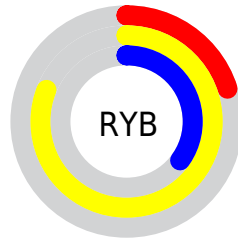
The Yxy color **53.4196, 0.3784, 0.5116** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **9.0961, 0.1941, 0.1062**, and the grayscale version is **45.0003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1398, 0.3755, 0.4743**, and **26.2932, 0.3744, 0.5409** is the 20% darker color. If you saturate the color by 10%, you get **52.7335, 0.3797, 0.5256**, and if you desaturate by 10%, it is **54.2130, 0.3745, 0.4931**.

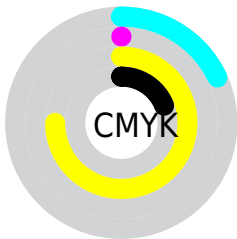
Distribution



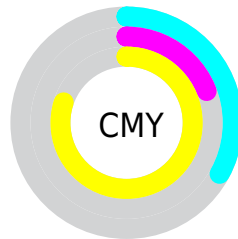
- Red (67%)
- Green (81%)
- Blue (20%)



- Red (20%)
- Yellow (81%)
- Blue (35%)



- Cyan (18%)
- Magenta (0%)
- Yellow (75%)
- Black (19%)



- Cyan (33%)
- Magenta (19%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4196, 0.3784, 0.5116 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 53.4196, 0.3784, 0.5116 by changing the saturation by 10% instead.

■ 53.4196, 0.3784,
0.5116

■ 53.4196, 0.3784,
0.5116

■ 399.8929, 0.3540,
0.4223

■ 38.1378, 0.3810,
0.5315

■ 95.2215, 0.3720,
0.4806

■ 26.0897, 0.3823,
0.5551

■ 122.5105, 0.3688,
0.4684

■ 16.8907, 0.3804,
0.5828

■ 154.5706, 0.3659,
0.4580

■ 10.1566, 0.3772,
0.6228

■ 191.7863, 0.3631,
0.4489

■ 5.5029, 0.3512,
0.6488

■ 234.5420, 0.3605,
0.4410

■ 2.5453, 0.3098,
0.6902

■ 283.2221, 0.3582,

■ 0.8992, 0.0629,

0.4340

0.9371

338.2109, 0.3560,
0.4278

0.0000, 0.0000,
0.0000

53.4196, 0.3784,
0.5116

53.4196, 0.3784,
0.5116

52.7335, 0.3797,
0.5256

54.2130, 0.3745,
0.4931

52.1358, 0.3786,
0.5350

55.1161, 0.3683,
0.4708

51.8520, 0.3773,
0.5386

56.1399, 0.3601,
0.4460

57.2917, 0.3504,
0.4195

58.5785, 0.3399,
0.3926

■ 60.0065, 0.3290,
0.3662

■ 61.5815, 0.3180,
0.3408

■ 63.3091, 0.3072,
0.3169

■ 65.1943, 0.2970,
0.2948

Harmonies

Analogous

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



53.4196, 0.4587, 0.4628



53.4196, 0.3784, 0.5116



53.4196, 0.2865, 0.4960

Triad

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



53.4196, 0.3784, 0.5116



53.4196, 0.1497, 0.2193



53.4196, 0.4172, 0.2639

Complementary

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



53.4196, 0.3784, 0.5116



9.0961, 0.1941, 0.1062

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.



53.4196, 0.3138, 0.2154



53.4196, 0.3784, 0.5116



53.4196, 0.1714, 0.1882

Square

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



53.4196, 0.3784, 0.5116



53.4196, 0.1600, 0.2913



53.4196, 0.2260, 0.1887



53.4196, 0.4926, 0.3260

Rectangle

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



53.4196, 0.3784, 0.5116



53.4196, 0.2302, 0.4386



53.4196, 0.2260, 0.1887



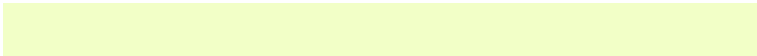
53.4196, 0.3834, 0.2458

Sweetspot

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



53.4220, 0.3784, 0.5116



94.4454, 0.3371, 0.3858



20.5314, 0.5329, 0.3664



20.0859, 0.3401, 0.3931



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.



53.4220, 0.3784, 0.5116



83.8967, 0.3793, 0.5320



47.2238, 0.3210, 0.5514



13.6494, 0.3230, 0.3522



32.7131, 0.3779, 0.5381



1.8642, 0.3859, 0.5318

Inverse Universe

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



9.0961, 0.1941, 0.1062



9.6562, 0.1716, 0.0762



15.0417, 0.2716, 0.1451



11.5521, 0.3018, 0.3052



3.2935, 0.1639, 0.0677



0.2216, 0.1830, 0.0782

Previews

White Background



This preview shows how the Yxy color 53.4196, 0.3784, 0.5116 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 53.4196, 0.3784, 0.5116 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 53.4196, 0.3784, 0.5116

Background



This preview shows how black text looks on a background with the Yxy color 53.4196, 0.3784, 0.5116.



This preview shows how white text looks on a background with the Yxy color 53.4196, 0.3784, 0.5116.

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

53.4196, 0.3784, 0.5116

Protanopia

52.9606, 0.4300, 0.4750

Deuteranopia

52.9155, 0.4548, 0.4450



Tritanopia

53.1331, 0.2964, 0.3105

Trichromacy



Original Color

53.4196, 0.3784, 0.5116

Protanomaly

52.7606, 0.4106, 0.4888

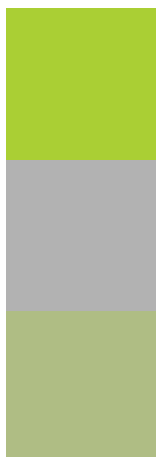
Deuteranomaly

52.4518, 0.4265, 0.4696

Tritanomaly

52.3258, 0.3330, 0.3906

Monochromacy



Original Color

53.4196, 0.3784, 0.5116

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

47.1751, 0.3451, 0.4065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.4196, 0.3784, 0.5116 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(170, 207, 52)` looks like.

```
.text, #text, p{  
    color:rgb(170, 207, 52)  
}
```

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(170, 207, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 207, 52) }
```

Border

The CSS property to change the border of an element to Yxy 53.4196, 0.3784, 0.5116 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(170, 207, 52) }
```

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

```
.border{ border-color:rgb(170, 207, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 207, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 207, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 207, 52);  
box-shadow:4px 4px 4px 4px rgb(170, 207,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 53.4196, 0.3784, 0.5116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 207, 52) }
```

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

```
.background{ background-color: rgb(170,  
207, 52) }
```

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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