

Converting Colors

$Y_{xy}(50.7874, 0.3554, 0.4825)$

Have a look what the booklet for
Yxy(50.7874, 0.3554, 0.4825)
contains.

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Color

Yxy(50.7874, 0.3554, 0.4825)

Conversions

Conversions Part 1

Format	Color
Hex	9FCB58
RGB	159, 203, 88
RGB Percent	62%, 80%, 35%
CMY	0.3766, 0.2039, 0.6549
CMYK	0.22, 0.00, 0.57, 0.20
HSL	83°, 53%, 57%
HSV	83°, 57%, 80%
XYZ	37.4090, 50.7874, 17.0625
YIQ	176.7340, 10.6910, -45.0930

Conversions

Conversions Part 2

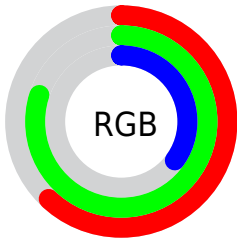
Format	Color
R_YB	88, 203, 132
Decimal	10472280
CIE Lab	76.55, -32.50, 51.74
CIE LCh	77, 61.103, 122.133
Yxy	50.7874, 0.3554, 0.4825
Android (android.graphics.Color)	4288662360 (0xFF9FCB58)
YUV	176.7340, -43.7459, -15.5527
Hunter-Lab	71.2653, -31.0149, 35.6904

Details

The Yxy color **50.7874, 0.3554, 0.4825** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **16.2013, 0.2419, 0.1647**, and the grayscale version is **44.0460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0420, 0.3524, 0.4504**, and **24.5534, 0.3588, 0.5261** is the 20% darker color. If you saturate the color by 10%, you get **49.7288, 0.3588, 0.5070**, and if you desaturate by 10%, it is **51.9941, 0.3501, 0.4555**.

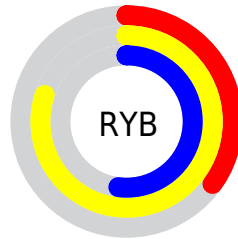
Distribution



Red (62%)

Green (80%)

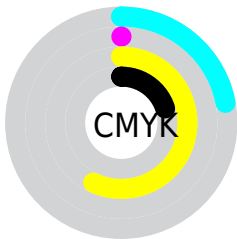
Blue (35%)



Red (35%)

Yellow (80%)

Blue (52%)

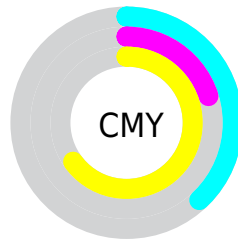


Cyan (22%)

Magenta (0%)

Yellow (57%)

Black (20%)



Cyan (38%)


Magenta (20%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7874, 0.3554, 0.4825 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 50.7874, 0.3554, 0.4825 by changing the saturation by 10% instead.


 50.7874, 0.3554,
0.4825

 50.7874, 0.3554,
0.4825

389.7372, 0.3387,
0.4044


 36.0394, 0.3577,
0.5016


 91.3404, 0.3507,
0.4543

 24.4647, 0.3593,
0.5254


 117.9143, 0.3485,
0.4436

 15.6787, 0.3592,
0.5556


 149.1989, 0.3465,
0.4345

 9.2971, 0.3551,
0.5945

 185.5787, 0.3446,
0.4268

 4.9354, 0.3462,
0.6538

227.4380, 0.3429,
0.4200

 2.2094, 0.3013,
0.6987

275.1613, 0.3414,

 0.7251, 0.0000,

0.4142

1.0000

329.1329, 0.3400,
0.4090

■ 0.0000, 0.0000,
0.0000

■ 50.7874, 0.3554,
0.4825

■ 50.7874, 0.3554,
0.4825

■ 49.7288, 0.3588,
0.5070

■ 51.9941, 0.3501,
0.4555

■ 48.8028, 0.3598,
0.5277

■ 53.3503, 0.3432,
0.4272

■ 48.0013, 0.3585,
0.5437

■ 54.8653, 0.3354,
0.3989

■ 47.3111, 0.3549,
0.5545

■ 56.5460, 0.3270,
0.3714

■ 47.0974, 0.3534,
0.5576

■ 58.3985, 0.3184,
0.3453

■ 60.4289, 0.3099,
0.3211

■ 62.6426, 0.3016,
0.2989

■ 65.0449, 0.2938,
0.2788

■ 66.5875, 0.2963,
0.2752

Harmonies

Analogous

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



50.7874, 0.4265, 0.4565



50.7874, 0.3554, 0.4825



50.7874, 0.2771, 0.4511

Triad

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



50.7874, 0.3554, 0.4825



50.7874, 0.1740, 0.2287



50.7874, 0.4163, 0.2857

Complementary

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



50.7874, 0.3554, 0.4825



16.2013, 0.2419, 0.1647

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.



50.7874, 0.3332, 0.2395



50.7874, 0.3554, 0.4825



50.7874, 0.1996, 0.2064

Square

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



50.7874, 0.3554, 0.4825



50.7874, 0.1777, 0.2837



50.7874, 0.2541, 0.2114



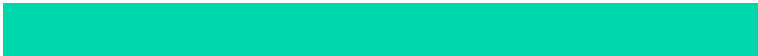
50.7874, 0.4693, 0.3424

Rectangle

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



50.7874, 0.3554, 0.4825



50.7874, 0.2315, 0.3989



50.7874, 0.2541, 0.2114



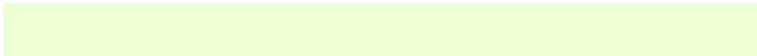
50.7874, 0.3902, 0.2687

Sweetspot

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



50.7896, 0.3554, 0.4825



94.5014, 0.3275, 0.3729



29.4136, 0.4473, 0.3824



20.1004, 0.3292, 0.3784



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.



50.7896, 0.3554, 0.4825



82.8883, 0.3592, 0.5120



46.3264, 0.3134, 0.5050



12.8738, 0.3208, 0.3523



30.0216, 0.3543, 0.5569



1.5916, 0.3670, 0.5468

Inverse Universe

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



16.2013, 0.2419, 0.1647



19.4922, 0.2226, 0.1305



21.9420, 0.3017, 0.1895



11.0499, 0.3041, 0.3055



3.8170, 0.1826, 0.0779



0.2402, 0.2051, 0.0904

Previews

White Background



This preview shows how the Yxy color 50.7874, 0.3554, 0.4825 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 50.7874, 0.3554, 0.4825 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 50.7874, 0.3554, 0.4825

Background



This preview shows how black text looks on a background with the Yxy color 50.7874, 0.3554, 0.4825.



This preview shows how white text looks on a background with the Yxy color 50.7874, 0.3554, 0.4825.

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

50.7874, 0.3554, 0.4825

Protanopia

50.5906, 0.4101, 0.4501

Deuteranopia

50.2042, 0.4314, 0.4212



Tritanopia

50.7165, 0.2886, 0.3099

Trichromacy



Original Color

50.7874, 0.3554, 0.4825

Protanomaly

50.3158, 0.3899, 0.4624

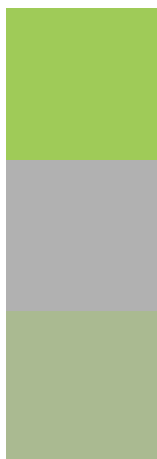
Deuteranomaly

49.7183, 0.4020, 0.4433

Tritanomaly

50.1096, 0.3155, 0.3721

Monochromacy



Original Color

50.7874, 0.3554, 0.4825

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.7082, 0.3312, 0.3857

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7874, 0.3554, 0.4825 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(159, 203, 88)` looks like.

```
.text, #text, p{  
    color:rgb(159, 203, 88)  
}
```

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(159, 203, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 203, 88) }
```

Border

The CSS property to change the border of an element to Yxy 50.7874, 0.3554, 0.4825 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(159, 203, 88) }
```

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

```
.border{ border-color:rgb(159, 203, 88) }
```

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

Here you see how a box with a 4 pixel rgb(159, 203, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 203, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 203, 88);  
box-shadow:4px 4px 4px 4px rgb(159, 203,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7874, 0.3554, 0.4825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 203, 88) }
```

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

```
.background{ background-color: rgb(159,  
203, 88) }
```

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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