

Converting Colors

Yxy(54.4834, 0.3699, 0.5309)

Have a look what the booklet for
Yxy(54.4834, 0.3699, 0.5309)
contains.

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Color

Yxy(54.4834, 0.3699, 0.5309)

Conversions

Conversions Part 1

Format	Color
Hex	9ED424
RGB	158, 212, 36
RGB Percent	62%, 83%, 14%
CMY	0.3804, 0.1686, 0.8590
CMYK	0.25, 0.00, 0.83, 0.17
HSL	78°, 71%, 49%
HSV	78°, 83%, 83%
XYZ	37.9608, 54.4834, 10.1804
YIQ	175.7900, 24.3120, -66.1840

Conversions

Conversions Part 2

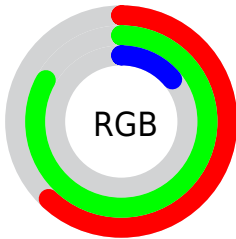
Format	Color
RYB	36, 212, 90
Decimal	10408996
CIELab	78.74, -40.16, 72.57
CIELCh	79, 82.945, 118.957
Yxy	54.4834, 0.3699, 0.5309
Android (android.graphics.Color)	4288599076 (0xFF9ED424)
YUV	175.7900, -68.9165, -15.6018
Hunter-Lab	73.8129, -37.3727, 43.4917

Details

The Yxy color **54.4834, 0.3699, 0.5309** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **8.1850, 0.1903, 0.0931**, and the grayscale version is **43.6554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1726, 0.3724, 0.4872**, and **26.8806, 0.3587, 0.5534** is the 20% darker color. If you saturate the color by 10%, you get **53.7503, 0.3680, 0.5422**, and if you desaturate by 10%, it is **55.3329, 0.3693, 0.5147**.

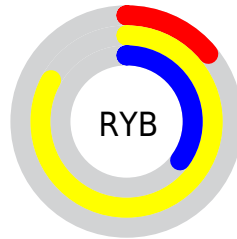
Distribution



Red (62%)

Green (83%)

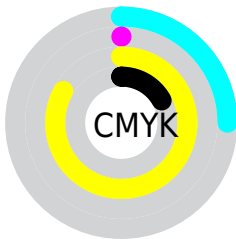
Blue (14%)



Red (14%)

Yellow (83%)

Blue (35%)

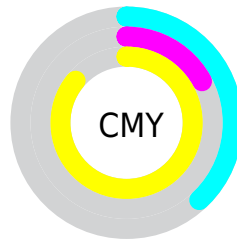


Cyan (25%)

Magenta (0%)

Yellow (83%)

Black (17%)



Cyan (38%)


Magenta (17%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.4834, 0.3699, 0.5309 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 54.4834, 0.3699, 0.5309 by changing the saturation by 10% instead.

 54.4834, 0.3699,
0.5309


 54.4834, 0.3699,
0.5309


403.9507, 0.3515,
0.4320

 38.9883, 0.3705,
0.5528


 96.7836, 0.3661,
0.4966

 26.7506, 0.3689,
0.5786


 124.3575, 0.3638,
0.4832

 17.3860, 0.3631,
0.6088


 156.7265, 0.3615,
0.4716

 10.5101, 0.3520,
0.6480

 194.2749, 0.3593,
0.4615

 5.7384, 0.3206,
0.6794

 237.3871, 0.3571,
0.4527

 2.6867, 0.2714,
0.7286

 286.4475, 0.3551,

 0.9704, 0.0000,

0.4449

1.0000

341.8406, 0.3533,
0.4381

■ 0.0000, 0.0000,
0.0000

■ 54.4834, 0.3699,
0.5309

■ 54.4834, 0.3699,
0.5309

■ 53.7503, 0.3680,
0.5422

■ 55.3329, 0.3693,
0.5147

■ 53.2898, 0.3657,
0.5478

■ 56.3037, 0.3661,
0.4940

■ 57.4086, 0.3607,
0.4699

■ 58.6566, 0.3534,
0.4434

■ 60.0558, 0.3448,
0.4159

■ 61.6134, 0.3354,
0.3884

■ 63.3365, 0.3255,
0.3617

■ 65.2312, 0.3157,
0.3364

■ 67.3036, 0.3060,
0.3128

Harmonies

Analogous

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



54.4834, 0.4596, 0.4782



54.4834, 0.3699, 0.5309



54.4834, 0.2714, 0.5067

Triad

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



54.4834, 0.3699, 0.5309



54.4834, 0.1392, 0.2041



54.4834, 0.4385, 0.2649

Complementary

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



54.4834, 0.3699, 0.5309



8.1850, 0.1903, 0.0931

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.



54.4834, 0.3255, 0.2116



54.4834, 0.3699, 0.5309



54.4834, 0.1657, 0.1763

Square

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



54.4834, 0.3699, 0.5309



54.4834, 0.1454, 0.2752



54.4834, 0.2273, 0.1805



54.4834, 0.5142, 0.3312

Rectangle

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



54.4834, 0.3699, 0.5309



54.4834, 0.2131, 0.4369



54.4834, 0.2273, 0.1805



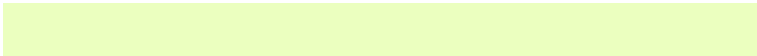
54.4834, 0.4021, 0.2452

Sweetspot

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



54.4858, 0.3699, 0.5309



93.0299, 0.3375, 0.3945



21.2319, 0.5502, 0.3766



19.7306, 0.3409, 0.4043



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.



54.4858, 0.3699, 0.5309



80.8394, 0.3651, 0.5483



48.5633, 0.3126, 0.5735



14.3199, 0.3220, 0.3524



32.9510, 0.3664, 0.5472



2.0301, 0.3758, 0.5398

Inverse Universe

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



8.1850, 0.1903, 0.0931



8.8497, 0.1693, 0.0707



15.3361, 0.2793, 0.1400



12.1916, 0.3029, 0.3052



3.6758, 0.1715, 0.0719



0.2649, 0.1906, 0.0824

Previews

White Background



This preview shows how the Yxy color 54.4834, 0.3699, 0.5309 looks on a white background.

Color Contrast Check

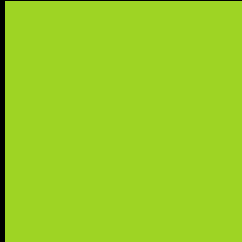
Large Text (above 18pt) WCAG AA × Fail

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 54.4834, 0.3699, 0.5309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

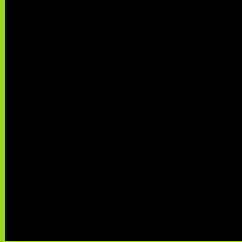
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.4834, 0.3699, 0.5309

Background



This preview shows how black text looks on a background with the Yxy color 54.4834, 0.3699, 0.5309.



This preview shows how white text looks on a background with the Yxy color 54.4834, 0.3699, 0.5309.

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

54.4834, 0.3699, 0.5309

Protanopia

54.1892, 0.4360, 0.4824

Deuteranopia

53.7620, 0.4606, 0.4497



Tritanopia

54.0837, 0.2864, 0.3092

Trichromacy



Original Color

54.4834, 0.3699, 0.5309

Protanomaly

53.7534, 0.4113, 0.5004

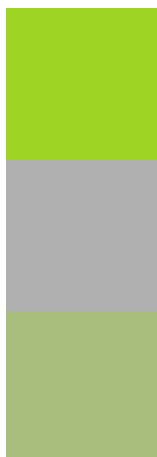
Deuteranomaly

52.9270, 0.4275, 0.4791

Tritanomaly

52.9570, 0.3255, 0.3998

Monochromacy



Original Color

54.4834, 0.3699, 0.5309

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

46.3109, 0.3450, 0.4176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4834, 0.3699, 0.5309 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(158, 212, 36)` looks like.

```
.text, #text, p{  
    color:rgb(158, 212, 36)  
}
```

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(158, 212, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 212, 36) }
```

Border

The CSS property to change the border of an element to Yxy 54.4834, 0.3699, 0.5309 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(158, 212, 36) }
```

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

```
.border{ border-color:rgb(158, 212, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 212, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 212, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 212, 36);  
box-shadow:4px 4px 4px 4px rgb(158, 212,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4834, 0.3699, 0.5309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 212, 36) }
```

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

```
.background{ background-color: rgb(158,  
212, 36) }
```

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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