

Converting Colors

$Yxy(55.9252, 0.3485, 0.5234)$

Have a look what the booklet for
Yxy(55.9252, 0.3485, 0.5234)
contains.

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Color

Yxy(55.9252, 0.3485, 0.5234)

Conversions

Conversions Part 1

Format	Color
Hex	90D940
RGB	144, 217, 64
RGB Percent	56%, 85%, 25%
CMY	0.4354, 0.1490, 0.7489
CMYK	0.34, 0.00, 0.70, 0.15
HSL	89°, 67%, 55%
HSV	89°, 70%, 85%
XYZ	37.2372, 55.9252, 13.6875
YIQ	177.7310, 5.6050, -63.0590

Conversions

Conversions Part 2

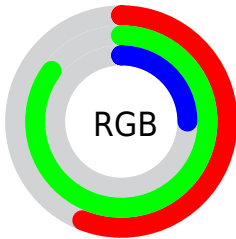
Format	Color
RYB	64, 217, 137
Decimal	9492800
CIELab	79.57, -46.08, 64.59
CIELCh	80, 79.344, 125.507
Yxy	55.9252, 0.3485, 0.5234
Android (android.graphics.Color)	4287682880 (0xFF90D940)
YUV	177.7310, -56.0694, -29.5821
Hunter-Lab	74.7832, -41.9891, 41.4964

Details

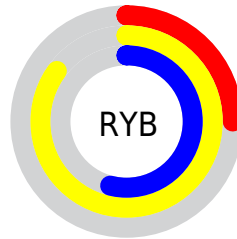
The Yxy color **55.9252, 0.3485, 0.5234** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **14.0060, 0.2335, 0.1324**, and the grayscale version is **44.6712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4326, 0.3531, 0.4750**, and **27.8669, 0.3424, 0.5663** is the 20% darker color. If you saturate the color by 10%, you get **54.8363, 0.3473, 0.5440**, and if you desaturate by 10%, it is **57.2007, 0.3474, 0.4984**.

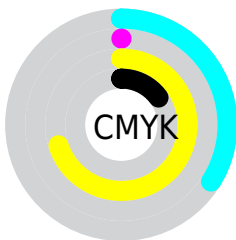
Distribution



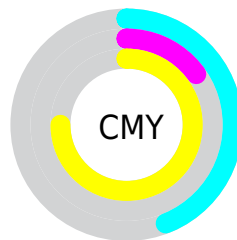
- Red (56%)
- Green (85%)
- Blue (25%)



- Red (25%)
- Yellow (85%)
- Blue (54%)



- Cyan (34%)
- Magenta (0%)
- Yellow (70%)
- Black (15%)





- Cyan (44%)
- Magenta (15%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9252, 0.3485, 0.5234 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 55.9252, 0.3485, 0.5234 by changing the saturation by 10% instead.


 55.9252, 0.3485,
0.5234


 55.9252, 0.3485,
0.5234


409.4095, 0.3386,
0.4257

 40.1430, 0.3479,
0.5463


 98.8952, 0.3471,
0.4886


 27.6500, 0.3454,
0.5744


 126.8518, 0.3459,
0.4753

 18.0620, 0.3392,
0.6086

 159.6352, 0.3446,
0.4639

 10.9945, 0.3286,
0.6563

 197.6299, 0.3433,
0.4541

 6.0631, 0.2988,
0.7012

 241.2203, 0.3421,
0.4456

 2.8835, 0.2454,
0.7546

290.7908, 0.3409,

 1.0712, 0.0000,

0.4381

1.0000

346.7257, 0.3397,
0.4316

■ 0.0000, 0.0000,
0.0000

■ 55.9252, 0.3485,
0.5234

■ 55.9252, 0.3485,
0.5234

■ 54.8363, 0.3473,
0.5440

■ 57.2007, 0.3474,
0.4984

■ 53.9125, 0.3438,
0.5592


■ 58.6677, 0.3444,
0.4704


■ 53.1673, 0.3390,
0.5690

■ 60.3394, 0.3397,
0.4410


■ 62.2257, 0.3338,
0.4113

■ 64.3357, 0.3272,
0.3825

 66.6780, 0.3202,
0.3554

 69.2605, 0.3131,
0.3302

 72.0908, 0.3061,
0.3072

 74.8931, 0.3021,
0.2906

Harmonies

Analogous

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



55.9252, 0.4379, 0.4872



55.9252, 0.3485, 0.5234



55.9252, 0.2549, 0.4781

Triad

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



55.9252, 0.3485, 0.5234



55.9252, 0.1487, 0.2008



55.9252, 0.4527, 0.2814

Complementary

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



55.9252, 0.3485, 0.5234



14.0060, 0.2335, 0.1324

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.



55.9252, 0.3489, 0.2261



55.9252, 0.3485, 0.5234



55.9252, 0.1816, 0.1809

Square

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



55.9252, 0.3485, 0.5234



55.9252, 0.1479, 0.2596



55.9252, 0.2492, 0.1907



55.9252, 0.5112, 0.3474

Rectangle

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



55.9252, 0.3485, 0.5234



55.9252, 0.2028, 0.4046



55.9252, 0.2492, 0.1907



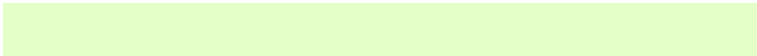
55.9252, 0.4207, 0.2613

Sweetspot

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



55.9276, 0.3485, 0.5234



92.4875, 0.3276, 0.3845



32.5703, 0.4786, 0.4073



19.6091, 0.3295, 0.3924



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.



55.9276, 0.3485, 0.5234



78.2900, 0.3457, 0.5527



51.2710, 0.3041, 0.5528



14.9393, 0.3194, 0.3526



32.2452, 0.3400, 0.5682



2.1402, 0.3522, 0.5586

Inverse Universe

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



14.0060, 0.2335, 0.1324



14.3499, 0.2133, 0.1025



22.6650, 0.3143, 0.1717



12.9206, 0.3055, 0.3054



4.8621, 0.1985, 0.0867



0.3661, 0.2165, 0.0966

Previews

White Background



This preview shows how the Yxy color 55.9252, 0.3485, 0.5234 looks on a white background.

Color Contrast Check

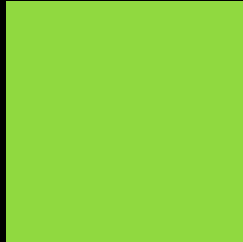
Large Text (above 18pt) WCAG AA × Fail

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 55.9252, 0.3485, 0.5234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

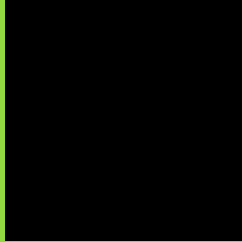
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.9252, 0.3485, 0.5234

Background



This preview shows how black text looks on a background with the Yxy color 55.9252, 0.3485, 0.5234.



This preview shows how white text looks on a background with the Yxy color 55.9252, 0.3485, 0.5234.

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

55.9252, 0.3485, 0.5234

Protanopia

55.4639, 0.4263, 0.4703

Deuteranopia

54.8589, 0.4481, 0.4379



Tritanopia

55.8257, 0.2749, 0.3090

Trichromacy



Original Color

55.9252, 0.3485, 0.5234

Protanomaly

54.7291, 0.3960, 0.4906

Deuteranomaly

53.7973, 0.4105, 0.4687

Tritanomaly

54.9242, 0.3055, 0.3896

Monochromacy



Original Color

55.9252, 0.3485, 0.5234

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

47.6124, 0.3327, 0.4052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9252, 0.3485, 0.5234 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(144, 217, 64)` looks like.

```
.text, #text, p{  
    color:rgb(144, 217, 64)  
}
```

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(144, 217, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 217, 64) }
```

Border

The CSS property to change the border of an element to Yxy 55.9252, 0.3485, 0.5234 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(144, 217, 64) }
```

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

```
.border{ border-color:rgb(144, 217, 64) }
```

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

Here you see how a box with a 4 pixel rgb(144, 217, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 217, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 217, 64);  
box-shadow:4px 4px 4px 4px rgb(144, 217,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9252, 0.3485, 0.5234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 217, 64) }
```

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

```
.background{ background-color: rgb(144,  
217, 64) }
```

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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