

Converting Colors

$Y_{xy}(33.1059, 0.3548, 0.4753)$

Have a look what the booklet for
Yxy(33.1059, 0.3548, 0.4753)
contains.

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Color

Yxy(33.1458, 0.3549, 0.4744)

Conversions

Conversions Part 1

Format	Color
Hex	85A74C
RGB	133, 167, 76
RGB Percent	52%, 65%, 30%
CMY	0.4784, 0.3451, 0.7020
CMYK	0.20, 0.00, 0.54, 0.35
HSL	82°, 37%, 48%
HSV	82°, 54%, 65%
XYZ	24.7965, 33.1458, 11.9266
YIQ	146.4600, 8.9470, -35.5090

Conversions

Conversions Part 2

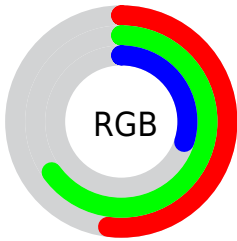
Format	Color
RYB	76, 167, 110
Decimal	8759116
CIELab	64.28, -26.54, 42.72
CIELCh	64, 50.292, 121.854
Yxy	33.1458, 0.3549, 0.4744
Android (android.graphics.Color)	4286949196 (0xFF85A74C)
YUV	146.4600, -34.7368, -11.8044
Hunter-Lab	57.5724, -23.8716, 28.0182

Details

The Yxy color **33.1458, 0.3549, 0.4744** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.2725, 0.2454, 0.1730**, and the grayscale version is **29.0870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4662, 0.3496, 0.4446**, and **14.0810, 0.3605, 0.5233** is the 20% darker color. If you saturate the color by 10%, you get **32.4515, 0.3590, 0.4993**, and if you desaturate by 10%, it is **33.9335, 0.3490, 0.4474**.

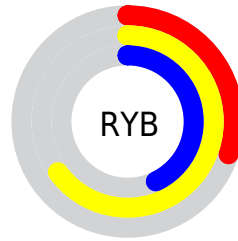
Distribution



Red (52%)

Green (65%)

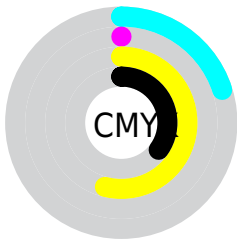
Blue (30%)



Red (30%)

Yellow (65%)

Blue (43%)

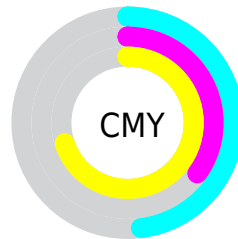


Cyan (20%)

Magenta (0%)

Yellow (54%)

Black (35%)



Cyan (48%)

Magenta (35%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1458, 0.3549, 0.4744 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 33.1458, 0.3549, 0.4744 by changing the saturation by 10% instead.


 33.1458, 0.3549,
0.4744


 33.1458, 0.3549,
0.4744


316.3062, 0.3363,
0.3952


 22.2382, 0.3578,
0.4957


 64.6031, 0.3492,
0.4443

 14.0320, 0.3601,
0.5235


 85.9215, 0.3467,
0.4334


 8.1429, 0.3599,
0.5604


 111.4790, 0.3445,
0.4243

 4.1865, 0.3662,
0.6338

 141.6600, 0.3425,
0.4166

 1.7784, 0.3246,
0.6754

 176.8488, 0.3407,
0.4101

 0.4737, 0.0000,
1.0000

217.4298, 0.3391,

 0.0000, 0.0000,

0.4044

0.0000

263.7875, 0.3376,
0.3995

■ 33.1458, 0.3549,
0.4744

■ 33.1458, 0.3549,
0.4744

■ 32.4515, 0.3590,
0.4993

■ 33.9335, 0.3490,
0.4474

■ 31.8410, 0.3609,
0.5208

■ 34.8149, 0.3418,
0.4195

■ 31.3095, 0.3605,
0.5380

■ 35.7959, 0.3337,
0.3918

■ 30.8501, 0.3578,
0.5502

■ 36.8805, 0.3252,
0.3651

■ 30.6187, 0.3557,
0.5557

■ 38.0726, 0.3166,
0.3398

■ 39.3757, 0.3081,
0.3163

■ 40.7932, 0.2999,
0.2948

■ 42.3283, 0.2921,
0.2753

■ 43.9842, 0.2848,
0.2577

Harmonies

Analogous

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



33.1458, 0.4224, 0.4508



33.1458, 0.3549, 0.4744



33.1458, 0.2800, 0.4446

Triad

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



33.1458, 0.3549, 0.4744



33.1458, 0.1797, 0.2339



33.1458, 0.4104, 0.2875

Complementary

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



33.1458, 0.3549, 0.4744



11.2725, 0.2454, 0.1730

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.



33.1458, 0.3317, 0.2430



33.1458, 0.3549, 0.4744



33.1458, 0.2041, 0.2118

Square

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



33.1458, 0.3549, 0.4744



33.1458, 0.1838, 0.2871



33.1458, 0.2564, 0.2161



33.1458, 0.4611, 0.3422

Rectangle

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



33.1458, 0.3549, 0.4744



33.1458, 0.2362, 0.3959



33.1458, 0.2564, 0.2161



33.1458, 0.3857, 0.2711

Sweetspot

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



33.1473, 0.3549, 0.4744



65.6856, 0.3267, 0.3698



19.7525, 0.4379, 0.3802



14.6117, 0.3284, 0.3750



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.1473, 0.3549, 0.4744



57.9221, 0.3595, 0.5032



30.2412, 0.3138, 0.4952



8.6317, 0.3207, 0.3517



23.4574, 0.3563, 0.5553



0.5984, 0.3778, 0.5382

Inverse Universe

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



11.2725, 0.2454, 0.1730



14.7742, 0.2271, 0.1395



14.9136, 0.3026, 0.1957



7.4319, 0.3042, 0.3061



2.9542, 0.1820, 0.0776



0.1011, 0.2220, 0.0997

Previews

White Background



This preview shows how the Yxy color 33.1458, 0.3549, 0.4744 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 33.1458, 0.3549, 0.4744 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 33.1458, 0.3549, 0.4744

Background



This preview shows how black text looks on a background with the Yxy color 33.1458, 0.3549, 0.4744.



This preview shows how white text looks on a background with the Yxy color 33.1458, 0.3549, 0.4744.

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

33.1458, 0.3549, 0.4744

Protanopia

33.0155, 0.4063, 0.4461

Deuteranopia

32.8503, 0.4261, 0.4171



Tritanopia

33.0360, 0.2902, 0.3093

Trichromacy



Original Color

33.1458, 0.3549, 0.4744

Protanomaly

32.8918, 0.3874, 0.4572

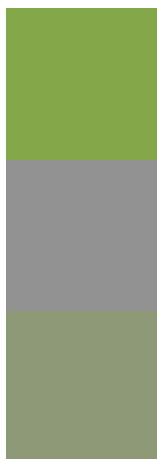
Deuteranomaly

32.5533, 0.3994, 0.4377

Tritanomaly

32.9300, 0.3156, 0.3689

Monochromacy



Original Color

33.1458, 0.3549, 0.4744

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.1544, 0.3303, 0.3832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1458, 0.3549, 0.4744 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(133, 167, 76)` looks like.

```
.text, #text, p{  
    color:rgb(133, 167, 76)  
}
```

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(133, 167, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 167, 76) }
```

Border

The CSS property to change the border of an element to Yxy 33.1458, 0.3549, 0.4744 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(133, 167, 76) }
```

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

```
.border{ border-color:rgb(133, 167, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 167, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 167, 76); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 167, 76); box-shadow:4px 4px 4px 4px rgb(133, 167, 76) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1458, 0.3549, 0.4744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 167, 76) }
```

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

```
.background{ background-color: rgb(133,  
167, 76) }
```

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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