

Converting Colors

$Yxy(35.0353, 0.3465, 0.4593)$

Have a look what the booklet for
Yxy(35.0353, 0.3465, 0.4593)
contains.

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Color

Yxy(34.9980, 0.3460, 0.4595)

Conversions

Conversions Part 1

Format	Color
Hex	87AB59
RGB	135, 171, 89
RGB Percent	53%, 67%, 35%
CMY	0.4707, 0.3294, 0.6510
CMYK	0.21, 0.00, 0.48, 0.33
HSL	86°, 33%, 51%
HSV	86°, 48%, 67%
XYZ	26.3532, 34.9980, 14.8142
YIQ	150.8880, 4.8660, -33.1340

Conversions

Conversions Part 2

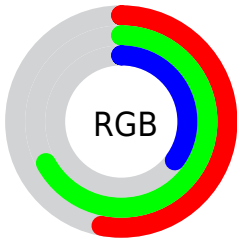
Format	Color
RYB	89, 171, 125
Decimal	8891225
CIELab	65.75, -26.32, 38.08
CIELCh	66, 46.289, 124.653
Yxy	34.9980, 0.3460, 0.4595
Android (android.graphics.Color)	4287081305 (0xFF87AB59)
YUV	150.8880, -30.5108, -13.9338
Hunter-Lab	59.1591, -24.0132, 26.5644

Details

The Yxy color **34.9980, 0.3460, 0.4595** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.4458, 0.2615, 0.1949**, and the grayscale version is **31.0260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2629, 0.3415, 0.4315**, and **15.1859, 0.3502, 0.5043** is the 20% darker color. If you saturate the color by 10%, you get **34.1435, 0.3502, 0.4871**, and if you desaturate by 10%, it is **35.9663, 0.3403, 0.4308**.

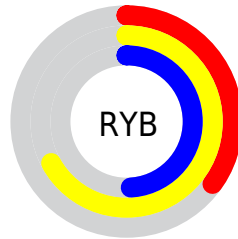
Distribution



Red (53%)

Green (67%)

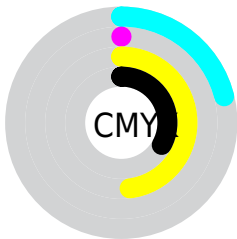
Blue (35%)



Red (35%)

Yellow (67%)

Blue (49%)

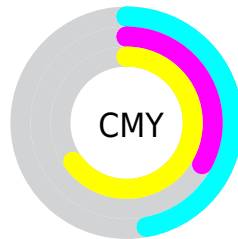


Cyan (21%)

Magenta (0%)

Yellow (48%)

Black (33%)



Cyan (47%)


Magenta (33%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9980, 0.3460, 0.4595 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 34.9980, 0.3460, 0.4595 by changing the saturation by 10% instead.


 34.9980, 0.3460,
0.4595


 34.9980, 0.3460,
0.4595


324.5595, 0.3314,
0.3886


 23.6613, 0.3484,
0.4787


 67.4827, 0.3414,
0.4325

 15.0826, 0.3505,
0.5040


 89.3995, 0.3395,
0.4228

 8.8774, 0.3511,
0.5384


 115.6118, 0.3377,
0.4146

 4.6613, 0.3508,
0.5931

 146.5039, 0.3362,
0.4078

 2.0499, 0.3337,
0.6663

182.4604, 0.3348,
0.4019

 0.6362, 0.0000,
1.0000

223.8656, 0.3335,

 0.0000, 0.0000,

0.3969

0.0000

271.1038, 0.3324,
0.3925

■ 34.9980, 0.3460,
0.4595

■ 34.9980, 0.3460,
0.4595

■ 34.1435, 0.3502,
0.4871

■ 35.9663, 0.3403,
0.4308

■ 33.3927, 0.3526,
0.5122

■ 37.0489, 0.3336,
0.4022

■ 32.7407, 0.3527,
0.5335

■ 38.2521, 0.3263,
0.3746

■ 32.1806, 0.3506,
0.5500


■ 39.5803, 0.3187,
0.3484


■ 31.7009, 0.3465,
0.5616

■ 41.0377, 0.3112,
0.3242

 31.6097, 0.3456,
0.5638

 42.6283, 0.3038,
0.3021

 44.3558, 0.2968,
0.2821

 46.2239, 0.2901,
0.2640

 48.2360, 0.2839,
0.2479

Harmonies

Analogous

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



34.9980, 0.4087, 0.4441



34.9980, 0.3460, 0.4595



34.9980, 0.2778, 0.4270

Triad

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



34.9980, 0.3460, 0.4595



34.9980, 0.1914, 0.2396



34.9980, 0.4069, 0.2960

Complementary

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



34.9980, 0.3460, 0.4595



14.4458, 0.2615, 0.1949

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.



34.9980, 0.3372, 0.2534



34.9980, 0.3460, 0.4595



34.9980, 0.2167, 0.2209

Square

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



34.9980, 0.3460, 0.4595



34.9980, 0.1930, 0.2862



34.9980, 0.2675, 0.2267



34.9980, 0.4492, 0.3474

Rectangle

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



34.9980, 0.3460, 0.4595



34.9980, 0.2386, 0.3823



34.9980, 0.2675, 0.2267



34.9980, 0.3854, 0.2804

Sweetspot

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



34.9995, 0.3460, 0.4595



69.3544, 0.3235, 0.3646



23.9291, 0.4139, 0.3828



15.3573, 0.3251, 0.3702



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.9995, 0.3460, 0.4595



60.9884, 0.3506, 0.4899



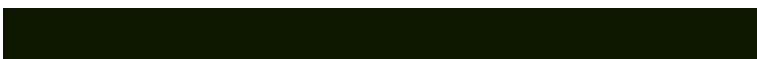
32.2553, 0.3100, 0.4754



9.1524, 0.3198, 0.3519



23.8569, 0.3462, 0.5633



0.6953, 0.3684, 0.5457

Inverse Universe

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



14.4458, 0.2615, 0.1949



19.5834, 0.2460, 0.1626



18.1411, 0.3112, 0.2126



7.9229, 0.3052, 0.3060



3.3788, 0.1927, 0.0835



0.1267, 0.2289, 0.1035

Previews

White Background



This preview shows how the Yxy color 34.9980, 0.3460, 0.4595 looks on a white background.

Color Contrast Check

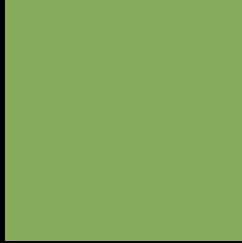
Large Text (above 18pt) WCAG AA × Fail

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 34.9980, 0.3460, 0.4595 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 34.9980, 0.3460, 0.4595

Background



This preview shows how black text looks on a background with the Yxy color 34.9980, 0.3460, 0.4595.



This preview shows how white text looks on a background with the Yxy color 34.9980, 0.3460, 0.4595.

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

34.9980, 0.3460, 0.4595

Protanopia

34.5661, 0.3971, 0.4327

Deuteranopia

34.7340, 0.4144, 0.4055



Tritanopia

34.7488, 0.2889, 0.3097

Trichromacy



Original Color

34.9980, 0.3460, 0.4595

Protanomaly

34.3399, 0.3777, 0.4431

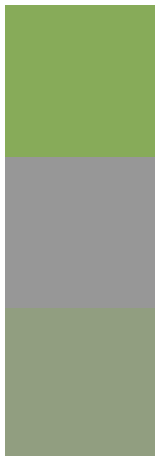
Deuteranomaly

34.4532, 0.3891, 0.4247

Tritanomaly

34.7331, 0.3111, 0.3633

Monochromacy



Original Color

34.9980, 0.3460, 0.4595

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.0320, 0.3272, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9980, 0.3460, 0.4595 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(135, 171, 89)` looks like.

```
.text, #text, p{  
    color:rgb(135, 171, 89)  
}
```

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(135, 171, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 171, 89) }
```

Border

The CSS property to change the border of an element to Yxy 34.9980, 0.3460, 0.4595 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(135, 171, 89) }
```

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

```
.border{ border-color:rgb(135, 171, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 171, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 171, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 171, 89);  
box-shadow:4px 4px 4px 4px rgb(135, 171,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9980, 0.3460, 0.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 171, 89) }
```

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

```
.background{ background-color: rgb(135,  
171, 89) }
```

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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