

Converting Colors

$Yxy(33.0699, 0.3595, 0.4608)$

Have a look what the booklet for
Yxy(33.0699, 0.3595, 0.4608)
contains.

Yxy(33.0798, 0.3595, 0.4617)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.0798, 0.3595, 0.4617)

Conversions

Conversions Part 1

Format	Color
Hex	8CA551
RGB	140, 165, 81
RGB Percent	55%, 65%, 32%
CMY	0.4509, 0.3529, 0.6824
CMYK	0.15, 0.00, 0.51, 0.35
HSL	78°, 34%, 48%
HSV	78°, 51%, 65%
XYZ	25.7574, 33.0798, 12.8106
YIQ	147.9490, 12.0640, -31.4240

Conversions

Conversions Part 2

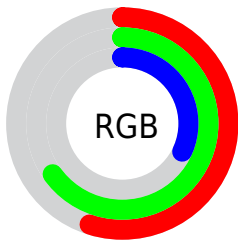
Format	Color
RYB	81, 165, 106
Decimal	9217361
CIELab	64.23, -22.24, 40.32
CIELCh	64, 46.044, 118.879
Yxy	33.0798, 0.3595, 0.4617
Android (android.graphics.Color)	4287407441 (0xFF8CA551)
YUV	147.9490, -33.0059, -6.9713
Hunter-Lab	57.5150, -20.7123, 27.0546

Details

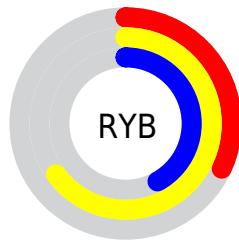
The Yxy color **33.0798, 0.3595, 0.4617** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.6636, 0.2435, 0.1812**, and the grayscale version is **29.7300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4544, 0.3526, 0.4348**, and **13.9839, 0.3685, 0.5063** is the 20% darker color. If you saturate the color by 10%, you get **32.4462, 0.3656, 0.4861**, and if you desaturate by 10%, it is **33.7955, 0.3518, 0.4355**.

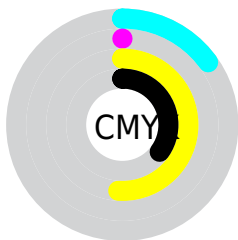
Distribution



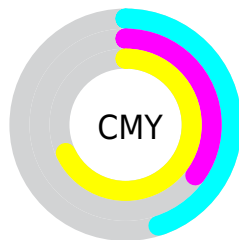
- Red (55%)
- Green (65%)
- Blue (32%)



- Red (32%)
- Yellow (65%)
- Blue (42%)



- Cyan (15%)
- Magenta (0%)
- Yellow (51%)
- Black (35%)





- Cyan (45%)
- Magenta (35%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0798, 0.3595, 0.4617 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 33.0798, 0.3595, 0.4617 by changing the saturation by 10% instead.


 33.0798, 0.3595,
0.4617


 33.0798, 0.3595,
0.4617


316.0092, 0.3378,
0.3898

 22.1876, 0.3636,
0.4810


 64.5001, 0.3524,
0.4344

 13.9948, 0.3677,
0.5061

 85.7970, 0.3494,
0.4245

 8.1170, 0.3706,
0.5397


 111.3308, 0.3469,
0.4163

 4.1699, 0.3807,
0.6046

 141.4861, 0.3446,
0.4093

 1.7691, 0.3515,
0.6485

 176.6472, 0.3426,
0.4033

 0.4678, 0.0000,
1.0000

217.1985, 0.3408,

 0.0000, 0.0000,

0.3982

0.0000

263.5243, 0.3392,
0.3937

■ 33.0798, 0.3595,
0.4617

■ 33.0798, 0.3595,
0.4617

■ 32.4462, 0.3656,
0.4861

■ 33.7955, 0.3518,
0.4355

■ 31.8856, 0.3696,
0.5074

■ 34.5932, 0.3429,
0.4084

■ 31.3941, 0.3713,
0.5248

■ 35.4781, 0.3333,
0.3816

■ 30.9657, 0.3704,
0.5375

■ 36.4539, 0.3234,
0.3557

■ 30.6184, 0.3681,
0.5459

■ 37.5240, 0.3136,
0.3312

■ 38.6915, 0.3041,
0.3083

■ 39.9594, 0.2950,
0.2874

■ 41.3307, 0.2864,
0.2683

■ 42.8081, 0.2784,
0.2510

Harmonies

Analogous

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



33.0798, 0.4199, 0.4383



33.0798, 0.3595, 0.4617



33.0798, 0.2901, 0.4388

Triad

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



33.0798, 0.3595, 0.4617



33.0798, 0.1882, 0.2452



33.0798, 0.3959, 0.2863

Complementary

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



33.0798, 0.3595, 0.4617



11.6636, 0.2435, 0.1812

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.



33.0798, 0.3231, 0.2459



33.0798, 0.3595, 0.4617



33.0798, 0.2086, 0.2212

Square

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



33.0798, 0.3595, 0.4617



33.0798, 0.1951, 0.2978



33.0798, 0.2551, 0.2227



33.0798, 0.4460, 0.3371

Rectangle

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



33.0798, 0.3595, 0.4617



33.0798, 0.2481, 0.3973



33.0798, 0.2551, 0.2227



33.0798, 0.3727, 0.2713

Sweetspot

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



33.0813, 0.3595, 0.4617



64.5033, 0.3277, 0.3668



18.6551, 0.4328, 0.3664



14.0258, 0.3297, 0.3720



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.0813, 0.3595, 0.4617



57.9806, 0.3662, 0.4888



30.1681, 0.3201, 0.4802



8.1310, 0.3218, 0.3515



23.1898, 0.3687, 0.5455



0.5099, 0.3880, 0.5301

Inverse Universe

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



11.6636, 0.2435, 0.1812



15.3011, 0.2245, 0.1469



14.7852, 0.2944, 0.2003



6.9573, 0.3031, 0.3061



2.5737, 0.1715, 0.0719



0.0774, 0.2118, 0.0940

Previews

White Background



This preview shows how the Yxy color 33.0798, 0.3595, 0.4617 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 33.0798, 0.3595, 0.4617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

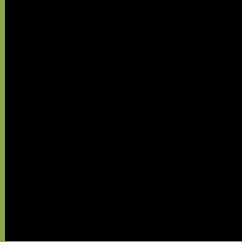
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0798, 0.3595, 0.4617

Background



This preview shows how black text looks on a background with the Yxy color 33.0798, 0.3595, 0.4617.



This preview shows how white text looks on a background with the Yxy color 33.0798, 0.3595, 0.4617.

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

33.0798, 0.3595, 0.4617

Protanopia

33.0976, 0.4017, 0.4391

Deuteranopia

32.7828, 0.4214, 0.4129



Tritanopia

32.8492, 0.2973, 0.3095

Trichromacy



Original Color

33.0798, 0.3595, 0.4617

Protanomaly

32.8344, 0.3857, 0.4474

Deuteranomaly

32.5220, 0.3982, 0.4292

Tritanomaly

32.7769, 0.3217, 0.3652

Monochromacy



Original Color

33.0798, 0.3595, 0.4617

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.5862, 0.3317, 0.3775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0798, 0.3595, 0.4617 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(140, 165, 81)` looks like.

```
.text, #text, p{  
    color:rgb(140, 165, 81)  
}
```

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(140, 165, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 165, 81) }
```

Border

The CSS property to change the border of an element to Yxy 33.0798, 0.3595, 0.4617 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(140, 165, 81) }
```

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

```
.border{ border-color:rgb(140, 165, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 165, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 165, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 165, 81);  
box-shadow:4px 4px 4px 4px rgb(140, 165,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0798, 0.3595, 0.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 165, 81) }
```

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

```
.background{ background-color: rgb(140,  
165, 81) }
```

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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