

Converting Colors

Yxy(33.9933, 0.4354, 0.4809)

Have a look what the booklet for
Yxy(33.9933, 0.4354, 0.4809)
contains.

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Color

Yxy(33.9933, 0.4354, 0.4809)

Conversions

Conversions Part 1

Format	Color
Hex	B29E1A
RGB	178, 158, 26
RGB Percent	70%, 62%, 10%
CMY	0.3019, 0.3804, 0.8980
CMYK	0.00, 0.11, 0.85, 0.30
HSL	52°, 75%, 40%
HSV	52°, 85%, 70%
XYZ	30.7770, 33.9933, 5.9165
YIQ	148.9320, 54.2920, -36.8120

Conversions

Conversions Part 2

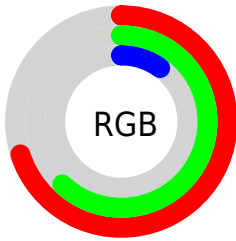
Format	Color
RYB	49, 178, 26
Decimal	11705882
CIELab	64.96, -5.61, 63.83
CIELCh	65, 64.075, 95.020
Yxy	33.9933, 0.4354, 0.4809
Android (android.graphics.Color)	4289895962 (0xFFB29E1A)
YUV	148.9320, -60.6055, 25.4926
Hunter-Lab	58.3038, -7.8061, 34.7961

Details

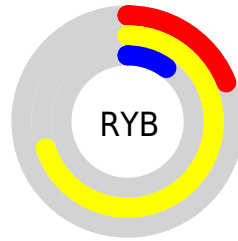
The Yxy color **33.9933, 0.4354, 0.4809** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.3912, 0.1642, 0.0937**, and the grayscale version is **30.2696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7474, 0.4175, 0.4567**, and **14.5803, 0.4404, 0.4885** is the 20% darker color. If you saturate the color by 10%, you get **33.1459, 0.4419, 0.4844**, and if you desaturate by 10%, it is **34.9083, 0.4261, 0.4730**.

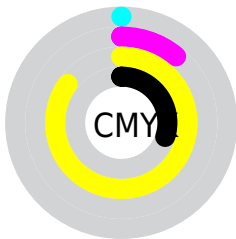
Distribution



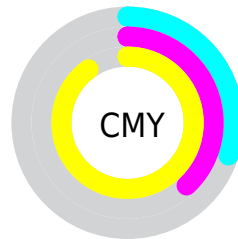
- Red (70%)
- Green (62%)
- Blue (10%)



- Red (19%)
- Yellow (70%)
- Blue (10%)



- Cyan (0%)
- Magenta (11%)
- Yellow (85%)
- Black (30%)





- Cyan (30%)
- Magenta (38%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9933, 0.4354, 0.4809 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 33.9933, 0.4354, 0.4809 by changing the saturation by 10% instead.


 33.9933, 0.4354,
0.4809


 33.9933, 0.4354,
0.4809


320.1022, 0.3788,
0.4077

 22.8885, 0.4455,
0.4955

 65.9233, 0.4173,
0.4565

 14.5112, 0.4553,
0.5110


 87.5171, 0.4096,
0.4465


 8.4770, 0.4679,
0.5321


 113.3762, 0.4029,
0.4378

 4.4017, 0.4632,
0.5368

 143.8847, 0.3969,
0.4302

 1.9007, 0.4552,
0.5448

 179.4272, 0.3915,
0.4236

 0.5488, 0.4121,
0.5879

 220.3880, 0.3868,

 0.0000, 0.0000,

0.4177

0.0000

267.1515, 0.3826,
0.4124

■ 33.9933, 0.4354,
0.4809

■ 33.9933, 0.4354,
0.4809

■ 33.1459, 0.4419,
0.4844

■ 34.9083, 0.4261,
0.4730

■ 32.7679, 0.4445,
0.4853

■ 35.8944, 0.4142,
0.4608

■ 36.9598, 0.4003,
0.4449

■ 38.1103, 0.3849,
0.4261

■ 39.3509, 0.3686,
0.4054

■ 40.6863, 0.3522,
0.3837

■ 42.1209, 0.3361,
0.3617

■ 43.6585, 0.3207,
0.3402

■ 45.3030, 0.3062,
0.3196

Harmonies

Analogous

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



33.9933, 0.4943, 0.4156



33.9933, 0.4354, 0.4809



33.9933, 0.3499, 0.5141

Triad

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



33.9933, 0.4354, 0.4809



33.9933, 0.1543, 0.2646



33.9933, 0.3459, 0.2293

Complementary

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



33.9933, 0.4354, 0.4809



5.3912, 0.1642, 0.0937

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.



33.9933, 0.2507, 0.1953



33.9933, 0.4354, 0.4809



33.9933, 0.1542, 0.2067

Square

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



33.9933, 0.4354, 0.4809



33.9933, 0.1890, 0.3644



33.9933, 0.1858, 0.1863



33.9933, 0.4449, 0.2828

Rectangle

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



33.9933, 0.4354, 0.4809



33.9933, 0.2887, 0.4955



33.9933, 0.1858, 0.1863



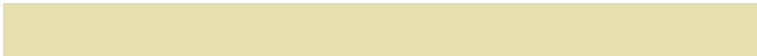
33.9933, 0.3118, 0.2154

Sweetspot

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



33.9949, 0.4354, 0.4809



73.4986, 0.3539, 0.3860



10.4059, 0.5785, 0.3130



16.0971, 0.3596, 0.3935



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



33.9949, 0.4354, 0.4809



59.1638, 0.4450, 0.4849



36.0818, 0.3612, 0.5391



9.7119, 0.3266, 0.3486



23.5055, 0.4442, 0.4855



0.7923, 0.4363, 0.4918

Inverse Universe

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



5.3912, 0.1642, 0.0937



6.7865, 0.1524, 0.0687



5.7367, 0.1970, 0.0953



8.4047, 0.2985, 0.3086



2.8056, 0.1532, 0.0716



0.1453, 0.1637, 0.1094

Previews

White Background



This preview shows how the Yxy color 33.9933, 0.4354, 0.4809 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 33.9933, 0.4354, 0.4809 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 33.9933, 0.4354, 0.4809

Background



This preview shows how black text looks on a background with the Yxy color 33.9933, 0.4354, 0.4809.



This preview shows how white text looks on a background with the Yxy color 33.9933, 0.4354, 0.4809.

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

33.9933, 0.4354, 0.4809

Protanopia

33.9933, 0.4354, 0.4809

Deuteranopia

34.0591, 0.4636, 0.4548



Tritanopia

33.9009, 0.3437, 0.3141

Trichromacy



Original Color

33.9933, 0.4354, 0.4809

Protanomaly

33.9933, 0.4354, 0.4809

Deuteranomaly

33.9526, 0.4530, 0.4645

Tritanomaly

33.4494, 0.3889, 0.3866

Monochromacy



Original Color

33.9933, 0.4354, 0.4809

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.9295, 0.3678, 0.4031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9933, 0.4354, 0.4809 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(178, 158, 26)` looks like.

```
.text, #text, p{  
    color:rgb(178, 158, 26)  
}
```

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(178, 158, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 158, 26) }
```

Border

The CSS property to change the border of an element to Yxy 33.9933, 0.4354, 0.4809 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(178, 158, 26) }
```

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

```
.border{ border-color:rgb(178, 158, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 158, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 158, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 158, 26);  
box-shadow:4px 4px 4px 4px rgb(178, 158,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9933, 0.4354, 0.4809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 158, 26) }
```

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

```
.background{ background-color: rgb(178,  
158, 26) }
```

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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