

Converting Colors

$Yxy(34.0524, 0.4151, 0.4504)$

Have a look what the booklet for
Yxy(34.0524, 0.4151, 0.4504)
contains.

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Color

Yxy(33.9842, 0.4156, 0.4494)

Conversions

Conversions Part 1

Format	Color
Hex	B29D43
RGB	178, 157, 67
RGB Percent	70%, 62%, 26%
CMY	0.3020, 0.3843, 0.7374
CMYK	0.00, 0.12, 0.62, 0.30
HSL	49°, 45%, 48%
HSV	49°, 62%, 70%
XYZ	31.4282, 33.9842, 10.2089
YIQ	153.0190, 41.4060, -23.5380

Conversions

Conversions Part 2

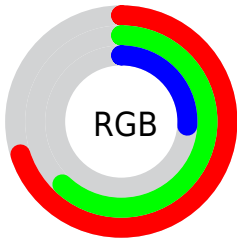
Format	Color
R _Y B	93, 178, 67
Decimal	11705667
CIE Lab	64.95, -3.17, 48.71
CIE LCh	65, 48.813, 93.725
Yxy	33.9842, 0.4156, 0.4494
Android (android.graphics.Color)	4289895747 (0xFFB29D43)
YUV	153.0190, -42.4074, 21.9083
Hunter-Lab	58.2960, -5.7860, 30.4242

Details

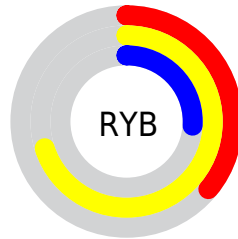
The Yxy color **33.9842, 0.4156, 0.4494** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.3788, 0.2011, 0.1654**, and the grayscale version is **32.0380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7533, 0.3978, 0.4273**, and **14.4722, 0.4392, 0.4798** is the 20% darker color. If you saturate the color by 10%, you get **32.6812, 0.4300, 0.4621**, and if you desaturate by 10%, it is **35.3874, 0.3995, 0.4333**.

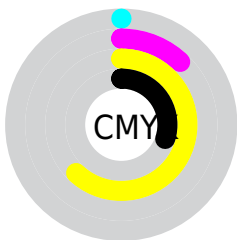
Distribution



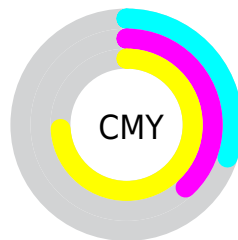
- Red (70%)
- Green (62%)
- Blue (26%)



- Red (36%)
- Yellow (70%)
- Blue (26%)



- Cyan (0%)
- Magenta (12%)
- Yellow (62%)
- Black (30%)



- Cyan (30%)
- Magenta (38%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9842, 0.4156, 0.4494 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 33.9842, 0.4156, 0.4494 by changing the saturation by 10% instead.


 33.9842, 0.4156,
0.4494


 33.9842, 0.4156,
0.4494


320.0616, 0.3649,
0.3889

 22.8815, 0.4268,
0.4633


 65.9091, 0.3980,
0.4280


 14.5060, 0.4396,
0.4797


 87.5000, 0.3910,
0.4197


 8.4734, 0.4538,
0.4987


 113.3559, 0.3851,
0.4126

 4.3994, 0.4737,
0.5263

 143.8609, 0.3799,
0.4065

 1.8994, 0.4693,
0.5307

 179.3996, 0.3754,
0.4012

 0.5480, 0.4473,
0.5527

220.3564, 0.3715,

 0.0000, 0.0000,

0.3966

0.0000

267.1156, 0.3680,
0.3925

■ 33.9842, 0.4156,
0.4494

■ 33.9842, 0.4156,
0.4494

■ 32.6812, 0.4300,
0.4621

■ 35.3874, 0.3995,
0.4333

■ 31.4672, 0.4421,
0.4706

■ 36.8916, 0.3824,
0.4147

■ 30.3359, 0.4514,
0.4745

■ 38.5036, 0.3650,
0.3947

■ 29.5167, 0.4571,
0.4753

■ 40.2282, 0.3479,
0.3740

■ 42.0696, 0.3316,
0.3535

■ 44.0319, 0.3162,
0.3336

■ 46.1189, 0.3020,
0.3147

■ 48.3343, 0.2890,
0.2969

■ 50.6815, 0.2771,
0.2805

Harmonies

Analogous

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



33.9842, 0.4571, 0.4016



33.9842, 0.4156, 0.4494



33.9842, 0.3495, 0.4686

Triad

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



33.9842, 0.4156, 0.4494



33.9842, 0.1868, 0.2849



33.9842, 0.3361, 0.2480

Complementary

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



33.9842, 0.4156, 0.4494



11.3788, 0.2011, 0.1654

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.



33.9842, 0.2625, 0.2207



33.9842, 0.4156, 0.4494



33.9842, 0.1845, 0.2351

Square

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



33.9842, 0.4156, 0.4494



33.9842, 0.2185, 0.3610



33.9842, 0.2100, 0.2151



33.9842, 0.4110, 0.2921

Rectangle

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



33.9842, 0.4156, 0.4494



33.9842, 0.3008, 0.4531



33.9842, 0.2100, 0.2151



33.9842, 0.3101, 0.2367

Sweetspot

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



33.9858, 0.4156, 0.4494



73.9525, 0.3429, 0.3677



14.1995, 0.4675, 0.2993



16.1791, 0.3476, 0.3736



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.



33.9858, 0.4156, 0.4494



58.3883, 0.4351, 0.4660



38.2338, 0.3662, 0.4904



9.6282, 0.3268, 0.3473



21.2081, 0.4566, 0.4757



0.7377, 0.4445, 0.4853

Inverse Universe

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



11.3788, 0.2011, 0.1654



14.1952, 0.1785, 0.1264



9.9505, 0.2237, 0.1453



8.4815, 0.2985, 0.3100



3.1746, 0.1555, 0.0798



0.1770, 0.1690, 0.1282

Previews

White Background



This preview shows how the Yxy color 33.9842, 0.4156, 0.4494 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 33.9842, 0.4156, 0.4494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

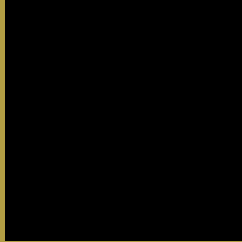
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9842, 0.4156, 0.4494

Background



This preview shows how black text looks on a background with the Yxy color 33.9842, 0.4156, 0.4494.



This preview shows how white text looks on a background with the Yxy color 33.9842, 0.4156, 0.4494.

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

33.9842, 0.4156, 0.4494

Protanopia

33.9729, 0.4115, 0.4522

Deuteranopia

33.8445, 0.4383, 0.4302



Tritanopia

33.8097, 0.3416, 0.3127

Trichromacy



Original Color

33.9842, 0.4156, 0.4494

Protanomaly

34.0891, 0.4126, 0.4516

Deuteranomaly

34.0186, 0.4301, 0.4377

Tritanomaly

33.7069, 0.3715, 0.3644

Monochromacy



Original Color

33.9842, 0.4156, 0.4494

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.1977, 0.3517, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9842, 0.4156, 0.4494 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, 157, 67)` looks like.

```
.text, #text, p{  
    color:rgb(178, 157, 67)  
}
```

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, 157, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 157, 67) }
```

Border

The CSS property to change the border of an element to Yxy 33.9842, 0.4156, 0.4494 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, 157, 67) }
```

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

```
.border{ border-color:rgb(178, 157, 67) }
```

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

Here you see how a box with a 4 pixel rgb(178, 157, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 157, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 157, 67);  
box-shadow:4px 4px 4px 4px rgb(178, 157,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9842, 0.4156, 0.4494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 157, 67) }
```

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

```
.background{ background-color: rgb(178,  
157, 67) }
```

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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