

Converting Colors

$Y_{xy}(33.0498, 0.4352, 0.4585)$

Have a look what the booklet for
Yxy(33.0498, 0.4352, 0.4585)
contains.

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Color

Yxy(32.9493, 0.4350, 0.4589)

Conversions

Conversions Part 1

Format	Color
Hex	B69931
RGB	182, 153, 49
RGB Percent	71%, 60%, 19%
CMY	0.2864, 0.3999, 0.8079
CMYK	0.00, 0.16, 0.73, 0.29
HSL	47°, 58%, 45%
HSV	47°, 73%, 71%
XYZ	31.2333, 32.9493, 7.6180
YIQ	149.8150, 50.6680, -26.1960

Conversions

Conversions Part 2

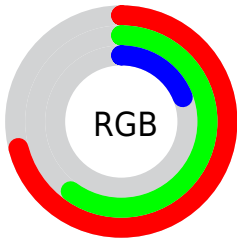
Format	Color
R _Y B	86, 182, 49
Decimal	11966769
CIE Lab	64.12, -0.31, 55.73
CIE LCh	64, 55.726, 90.318
Yxy	32.9493, 0.4350, 0.4589
Android (android.graphics.Color)	4290156849 (0xFFB69931)
YUV	149.8150, -49.7018, 28.2262
Hunter-Lab	57.4015, -3.3273, 32.3124

Details

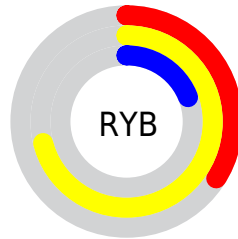
The Yxy color **32.9493, 0.4350, 0.4589** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **9.4720, 0.1846, 0.1407**, and the grayscale version is **30.6150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2857, 0.4148, 0.4372**, and **13.8627, 0.4547, 0.4772** is the 20% darker color. If you saturate the color by 10%, you get **31.5508, 0.4479, 0.4666**, and if you desaturate by 10%, it is **34.4561, 0.4197, 0.4469**.

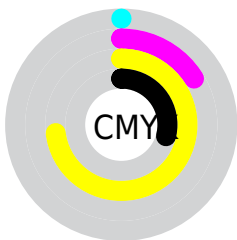
Distribution



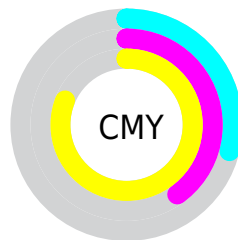
- Red (71%)
- Green (60%)
- Blue (19%)



- Red (34%)
- Yellow (71%)
- Blue (19%)



- Cyan (0%)
- Magenta (16%)
- Yellow (73%)
- Black (29%)





- Cyan (29%)
- Magenta (40%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9493, 0.4350, 0.4589 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 32.9493, 0.4350, 0.4589 by changing the saturation by 10% instead.


 32.9493, 0.4350,
0.4589


 32.9493, 0.4350,
0.4589


 315.4212, 0.3755,
0.3956

 22.0876, 0.4474,
0.4721


 64.2964, 0.4148,
0.4373

 13.9213, 0.4609,
0.4867


 85.5505, 0.4067,
0.4287


 8.0659, 0.4796,
0.5068


 111.0376, 0.3997,
0.4212

 4.1372, 0.4860,
0.5140

 141.1421, 0.3935,
0.4147

 1.7506, 0.4855,
0.5145

 176.2483, 0.3882,
0.4090

 0.4561, 0.4829,
0.5171

 216.7406, 0.3834,

 0.0000, 0.0000,

0.4040

0.0000

263.0034, 0.3793,
0.3996

■ 32.9493, 0.4350,
0.4589

■ 32.9493, 0.4350,
0.4589

■ 31.5508, 0.4479,
0.4666

■ 34.4561, 0.4197,
0.4469

■ 30.2475, 0.4580,
0.4697

■ 36.0735, 0.4028,
0.4314

■ 29.3905, 0.4638,
0.4699

■ 37.8093, 0.3850,
0.4135

■ 39.6691, 0.3670,
0.3941

■ 41.6580, 0.3495,
0.3740

■ 43.7808, 0.3328,
0.3541

■ 46.0419, 0.3173,
0.3348

■ 48.4455, 0.3029,
0.3164

■ 50.9955, 0.2898,
0.2992

Harmonies

Analogous

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



32.9493, 0.4797, 0.4007



32.9493, 0.4350, 0.4589



32.9493, 0.3614, 0.4907

Triad

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



32.9493, 0.4350, 0.4589



32.9493, 0.1729, 0.2853



32.9493, 0.3285, 0.2331

Complementary

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



32.9493, 0.4350, 0.4589



9.4720, 0.1846, 0.1407

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.



32.9493, 0.2468, 0.2053



32.9493, 0.4350, 0.4589



32.9493, 0.1674, 0.2261

Square

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



32.9493, 0.4350, 0.4589



32.9493, 0.2110, 0.3764



32.9493, 0.1920, 0.2015



32.9493, 0.4170, 0.2801

Rectangle

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



32.9493, 0.4350, 0.4589



32.9493, 0.3064, 0.4798



32.9493, 0.1920, 0.2015



32.9493, 0.2990, 0.2214

Sweetspot

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



32.9509, 0.4350, 0.4589



75.8086, 0.3483, 0.3726



12.7180, 0.5025, 0.2927



16.5227, 0.3530, 0.3780



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



32.9509, 0.4350, 0.4589



55.6816, 0.4548, 0.4692



39.8274, 0.3742, 0.5099



10.1624, 0.3269, 0.3468



20.8611, 0.4632, 0.4704



0.8191, 0.4498, 0.4810

Inverse Universe

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



9.4720, 0.1846, 0.1407



11.2626, 0.1644, 0.1015



7.4783, 0.2014, 0.1138



9.0282, 0.2984, 0.3106



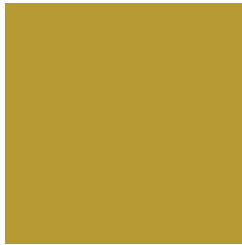
3.5223, 0.1568, 0.0846



0.2167, 0.1705, 0.1336

Previews

White Background



This preview shows how the Yxy color 32.9493, 0.4350, 0.4589 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 32.9493, 0.4350, 0.4589 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 32.9493, 0.4350, 0.4589

Background



This preview shows how black text looks on a background with the Yxy color 32.9493, 0.4350, 0.4589.



This preview shows how white text looks on a background with the Yxy color 32.9493, 0.4350, 0.4589.

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

32.9493, 0.4350, 0.4589

Protanopia

33.0059, 0.4230, 0.4666

Deuteranopia

33.0209, 0.4526, 0.4436



Tritanopia

32.9252, 0.3520, 0.3142

Trichromacy



Original Color

32.9493, 0.4350, 0.4589

Protanomaly

33.0201, 0.4272, 0.4635

Deuteranomaly

32.9901, 0.4459, 0.4497

Tritanomaly

32.6932, 0.3881, 0.3723

Monochromacy



Original Color

32.9493, 0.4350, 0.4589

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.0069, 0.3617, 0.3874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9493, 0.4350, 0.4589 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(182, 153, 49)` looks like.

```
.text, #text, p{  
    color:rgb(182, 153, 49)  
}
```

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(182, 153, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 153, 49) }
```

Border

The CSS property to change the border of an element to Yxy 32.9493, 0.4350, 0.4589 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(182, 153, 49) }
```

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

```
.border{ border-color:rgb(182, 153, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 153, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 153, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 153, 49);  
box-shadow:4px 4px 4px 4px rgb(182, 153,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9493, 0.4350, 0.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 153, 49) }
```

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

```
.background{ background-color: rgb(182,  
153, 49) }
```

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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