

Converting Colors

$Yxy(32.9346, 0.3982, 0.4505)$

Have a look what the booklet for
Yxy(32.9346, 0.3982, 0.4505)
contains.

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Color

Yxy(33.0417, 0.3975, 0.4505)

Conversions

Conversions Part 1

Format	Color
Hex	A69E49
RGB	166, 158, 73
RGB Percent	65%, 62%, 29%
CMY	0.3491, 0.3804, 0.7136
CMYK	0.00, 0.05, 0.56, 0.35
HSL	55°, 39%, 47%
HSV	55°, 56%, 65%
XYZ	29.1544, 33.0417, 11.1484
YIQ	150.7020, 32.0530, -24.7390

Conversions

Conversions Part 2

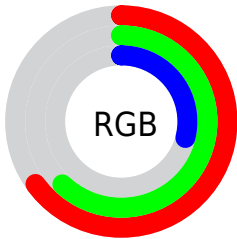
Format	Color
RYB	82, 166, 73
Decimal	10919497
CIELab	64.19, -8.46, 44.70
CIELCh	64, 45.496, 100.721
Yxy	33.0417, 0.3975, 0.4505
Android (android.graphics.Color)	4289109577 (0xFFA69E49)
YUV	150.7020, -38.3071, 13.4163
Hunter-Lab	57.4819, -10.0593, 28.7383

Details

The Yxy color **33.0417, 0.3975, 0.4505** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.0564, 0.2096, 0.1677**, and the grayscale version is **30.9710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2302, 0.3834, 0.4274**, and **14.0181, 0.4177, 0.4845** is the 20% darker color. If you saturate the color by 10%, you get **32.3680, 0.4100, 0.4668**, and if you desaturate by 10%, it is **33.7828, 0.3833, 0.4313**.

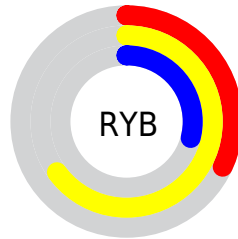
Distribution



Red (65%)

Green (62%)

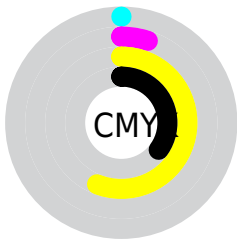
Blue (29%)



Red (32%)

Yellow (65%)

Blue (29%)

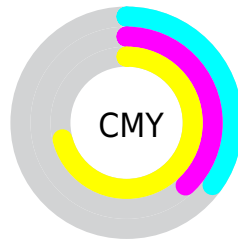


Cyan (0%)

Magenta (5%)

Yellow (56%)

Black (35%)



Cyan (35%)


Magenta (38%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0417, 0.3975, 0.4505 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 33.0417, 0.3975, 0.4505 by changing the saturation by 10% instead.


 33.0417, 0.3975,
0.4505


 33.0417, 0.3975,
0.4505


315.8376, 0.3556,
0.3874

 22.1584, 0.4068,
0.4660


 64.4406, 0.3829,
0.4275

 13.9733, 0.4174,
0.4851


 85.7250, 0.3772,
0.4189


 8.1021, 0.4288,
0.5086


 111.2453, 0.3723,
0.4115

 4.1604, 0.4499,
0.5501

 141.3857, 0.3680,
0.4053

 1.7637, 0.4372,
0.5628

 176.5308, 0.3643,
0.3999

 0.4644, 0.3358,
0.6642

217.0649, 0.3611,

 0.0000, 0.0000,

0.3952

0.0000

263.3723, 0.3582,
0.3911

■ 33.0417, 0.3975,
0.4505

■ 33.0417, 0.3975,
0.4505

■ 32.3680, 0.4100,
0.4668

■ 33.7828, 0.3833,
0.4313

■ 31.7524, 0.4204,
0.4792

■ 34.5911, 0.3680,
0.4099

■ 31.1909, 0.4281,
0.4875

■ 35.4720, 0.3523,
0.3874

■ 30.6759, 0.4333,
0.4916

■ 36.4290, 0.3367,
0.3646

■ 30.4765, 0.4351,
0.4927

■ 37.4655, 0.3215,
0.3421

■ 38.5846, 0.3071,
0.3205

■ 39.7893, 0.2936,
0.3000

■ 41.0822, 0.2811,
0.2809

■ 42.4661, 0.2697,
0.2633

Harmonies

Analogous

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



33.0417, 0.4432, 0.4104



33.0417, 0.3975, 0.4505



33.0417, 0.3321, 0.4573

Triad

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



33.0417, 0.3975, 0.4505



33.0417, 0.1903, 0.2744



33.0417, 0.3522, 0.2608

Complementary

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



33.0417, 0.3975, 0.4505



10.0564, 0.2096, 0.1677

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.



33.0417, 0.2804, 0.2304



33.0417, 0.3975, 0.4505



33.0417, 0.1942, 0.2335

Square

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



33.0417, 0.3975, 0.4505



33.0417, 0.2142, 0.3415



33.0417, 0.2249, 0.2200



33.0417, 0.4187, 0.3058

Rectangle

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



33.0417, 0.3975, 0.4505



33.0417, 0.2863, 0.4343



33.0417, 0.2249, 0.2200



33.0417, 0.3275, 0.2487

Sweetspot

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



33.0432, 0.3975, 0.4505



65.8884, 0.3387, 0.3676



13.4884, 0.4595, 0.3155



14.6685, 0.3417, 0.3720



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.0432, 0.3975, 0.4505



58.4934, 0.4125, 0.4699



32.4020, 0.3531, 0.4795



8.6620, 0.3264, 0.3494



23.6700, 0.4349, 0.4929



0.6069, 0.4292, 0.4974

Inverse Universe

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



10.0564, 0.2096, 0.1677



12.6969, 0.1868, 0.1296



10.8498, 0.2460, 0.1698



7.4003, 0.2986, 0.3077



2.4152, 0.1520, 0.0670



0.0900, 0.1602, 0.0968

Previews

White Background



This preview shows how the Yxy color 33.0417, 0.3975, 0.4505 looks on a white background.

Color Contrast Check

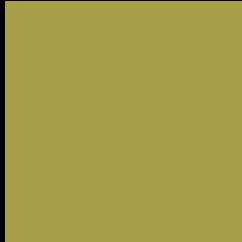
Large Text (above 18pt) WCAG AA × Fail

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 33.0417, 0.3975, 0.4505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

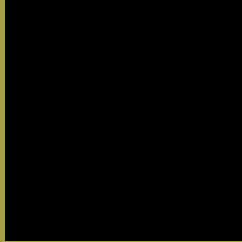
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0417, 0.3975, 0.4505

Background



This preview shows how black text looks on a background with the Yxy color 33.0417, 0.3975, 0.4505.



This preview shows how white text looks on a background with the Yxy color 33.0417, 0.3975, 0.4505.

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

33.0417, 0.3975, 0.4505

Protanopia

33.1291, 0.4074, 0.4456

Deuteranopia

32.9081, 0.4314, 0.4221



Tritanopia

33.0316, 0.3278, 0.3134

Trichromacy



Original Color

33.0417, 0.3975, 0.4505

Protanomaly

33.1279, 0.4034, 0.4484

Deuteranomaly

33.0318, 0.4192, 0.4323

Tritanomaly

32.6729, 0.3561, 0.3645

Monochromacy



Original Color

33.0417, 0.3975, 0.4505

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.6092, 0.3443, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0417, 0.3975, 0.4505 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(166, 158, 73)` looks like.

```
.text, #text, p{  
    color:rgb(166, 158, 73)  
}
```

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(166, 158, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 158, 73) }
```

Border

The CSS property to change the border of an element to Yxy 33.0417, 0.3975, 0.4505 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(166, 158, 73) }
```

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

```
.border{ border-color:rgb(166, 158, 73) }
```

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

Here you see how a box with a 4 pixel rgb(166, 158, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 158, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 158, 73);  
box-shadow:4px 4px 4px 4px rgb(166, 158,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0417, 0.3975, 0.4505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 158, 73) }
```

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

```
.background{ background-color: rgb(166,  
158, 73) }
```

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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