

Converting Colors

$Y_{xy}(33.2644, 0.4249, 0.4990)$

Have a look what the booklet for
Yxy(33.2644, 0.4249, 0.4990)
contains.

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Color

Yxy(33.2596, 0.4249, 0.4990)

Conversions

Conversions Part 1

Format	Color
Hex	A6A005
RGB	166, 160, 5
RGB Percent	65%, 63%, 2%
CMY	0.3491, 0.3725, 0.9801
CMYK	0.00, 0.04, 0.97, 0.35
HSL	58°, 94%, 34%
HSV	58°, 97%, 65%
XYZ	28.3206, 33.2596, 5.0723
YIQ	144.1240, 53.3310, -46.9330

Conversions

Conversions Part 2

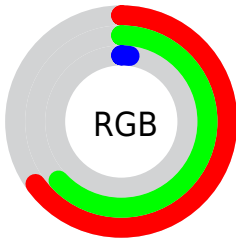
Format	Color
R _Y B	11, 166, 5
Decimal	10919941
CIE Lab	64.37, -12.47, 66.61
CIE LCh	64, 67.763, 100.602
Yxy	33.2596, 0.4249, 0.4990
Android (android.graphics.Color)	4289110021 (0xFFA6A005)
YUV	144.1240, -68.5881, 19.1853
Hunter-Lab	57.6711, -13.2682, 35.1552

Details

The Yxy color **33.2596, 0.4249, 0.4990** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.0251, 0.1524, 0.0652**, and the grayscale version is **28.2113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6225, 0.4106, 0.4705**, and **14.2523, 0.4208, 0.5041** is the 20% darker color. If you saturate the color by 10%, you get **33.1850, 0.4259, 0.5001**, and if you desaturate by 10%, it is **33.5206, 0.4212, 0.4946**.

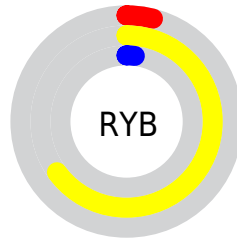
Distribution



Red (65%)

Green (63%)

Blue (2%)



Red (4%)

Yellow (65%)

Blue (2%)

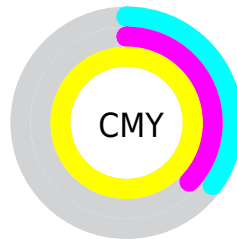


Cyan (0%)

Magenta (4%)

Yellow (97%)

Black (35%)



Cyan (35%)

Magenta (37%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2596, 0.4249, 0.4990 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 33.2596, 0.4249, 0.4990 by changing the saturation by 10% instead.


 33.2596, 0.4249,
0.4990


 33.2596, 0.4249,
0.4990


316.8179, 0.3752,
0.4156


 22.3254, 0.4324,
0.5160


 64.7806, 0.4099,
0.4708


 14.0962, 0.4388,
0.5349


 86.1362, 0.4032,
0.4594


 8.1876, 0.4432,
0.5568


 111.7344, 0.3972,
0.4495

 4.2152, 0.4320,
0.5680

 141.9596, 0.3918,
0.4409

 1.7947, 0.4131,
0.5869

 177.1961, 0.3870,
0.4334

 0.4838, 0.2433,
0.7567

 217.8284, 0.3826,

 0.0000, 0.0000,

0.4267

0.0000

264.2409, 0.3787,
0.4208

33.2596, 0.4249,
0.4990

33.2596, 0.4249,
0.4990

33.1850, 0.4259,
0.5001

33.5206, 0.4212,
0.4946

33.8205, 0.4150,
0.4863

34.1693, 0.4063,
0.4738

34.5727, 0.3953,
0.4574

35.0354, 0.3823,
0.4378

■ 35.5619, 0.3681,
0.4159

■ 36.1559, 0.3531,
0.3925

■ 36.8212, 0.3378,
0.3687

■ 37.5609, 0.3228,
0.3450

Harmonies

Analogous

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



33.2596, 0.4952, 0.4314



33.2596, 0.4249, 0.4990



33.2596, 0.3321, 0.5257

Triad

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



33.2596, 0.4249, 0.4990



33.2596, 0.1438, 0.2450



33.2596, 0.3682, 0.2331

Complementary

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



33.2596, 0.4249, 0.4990



3.0251, 0.1524, 0.0652

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.



33.2596, 0.2634, 0.1934



33.2596, 0.4249, 0.4990



33.2596, 0.1502, 0.1933

Square

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



33.2596, 0.4249, 0.4990



33.2596, 0.1721, 0.3435



33.2596, 0.1890, 0.1788



33.2596, 0.4694, 0.2914

Rectangle

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



33.2596, 0.4249, 0.4990



33.2596, 0.2686, 0.4949



33.2596, 0.1890, 0.1788



33.2596, 0.3313, 0.2174

Sweetspot

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



33.2612, 0.4249, 0.4990



65.3491, 0.3570, 0.3987



8.2438, 0.6281, 0.3267



14.5242, 0.3632, 0.4083



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.



33.2612, 0.4249, 0.4990



60.1753, 0.4260, 0.5000



29.6316, 0.3455, 0.5616



8.7254, 0.3263, 0.3505



25.7573, 0.4258, 0.5001



0.6408, 0.4235, 0.5020

Inverse Universe

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



3.0251, 0.1524, 0.0652



5.1711, 0.1505, 0.0619



4.4600, 0.1972, 0.0876



7.3435, 0.2986, 0.3065



2.2540, 0.1508, 0.0630



0.0684, 0.1546, 0.0765

Previews

White Background



This preview shows how the Yxy color 33.2596, 0.4249, 0.4990 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 33.2596, 0.4249, 0.4990 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 33.2596, 0.4249, 0.4990

Background



This preview shows how black text looks on a background with the Yxy color 33.2596, 0.4249, 0.4990.



This preview shows how white text looks on a background with the Yxy color 33.2596, 0.4249, 0.4990.

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

33.2596, 0.4249, 0.4990

Protanopia

33.3440, 0.4396, 0.4892

Deuteranopia

33.1120, 0.4671, 0.4580



Tritanopia

33.2631, 0.3299, 0.3135

Trichromacy



Original Color

33.2596, 0.4249, 0.4990

Protanomaly

33.2288, 0.4339, 0.4929

Deuteranomaly

32.9330, 0.4530, 0.4726

Tritanomaly

32.5526, 0.3805, 0.4009

Monochromacy



Original Color

33.2596, 0.4249, 0.4990

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.2784, 0.3703, 0.4197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2596, 0.4249, 0.4990 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, 160, 5)` looks like.

```
.text, #text, p{  
    color:rgb(166, 160, 5)  
}
```

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, 160, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 160, 5) }
```

Border

The CSS property to change the border of an element to Yxy 33.2596, 0.4249, 0.4990 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, 160, 5) }
```

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

```
.border{ border-color:rgb(166, 160, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 160, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 160, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 160, 5);  
box-shadow:4px 4px 4px 4px rgb(166, 160,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2596, 0.4249, 0.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 160, 5) }
```

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

```
.background{ background-color: rgb(166,  
160, 5) }
```

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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