

Converting Colors

$Yxy(33.3149, 0.4376, 0.4859)$

Have a look what the booklet for
Yxy(33.3149, 0.4376, 0.4859)
contains.

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Color

Yxy(33.3731, 0.4375, 0.4862)

Conversions

Conversions Part 1

Format	Color
Hex	B09D0D
RGB	176, 157, 13
RGB Percent	69%, 62%, 5%
CMY	0.3099, 0.3843, 0.9492
CMYK	0.00, 0.11, 0.93, 0.31
HSL	53°, 86%, 37%
HSV	53°, 93%, 69%
XYZ	30.0303, 33.3731, 5.2373
YIQ	146.2650, 57.5480, -40.7560

Conversions

Conversions Part 2

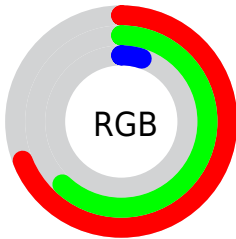
Format	Color
RYB	35, 176, 13
Decimal	11574541
CIELab	64.46, -6.27, 65.99
CIELCh	64, 66.289, 95.429
Yxy	33.3731, 0.4375, 0.4862
Android (android.graphics.Color)	4289764621 (0xFFB09D0D)
YUV	146.2650, -65.6996, 26.0776
Hunter-Lab	57.7695, -8.3069, 35.0635

Details

The Yxy color **33.3731, 0.4375, 0.4862** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.2469, 0.1571, 0.0784**, and the grayscale version is **29.1139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8152, 0.4194, 0.4611**, and **14.2300, 0.4391, 0.4896** is the 20% darker color. If you saturate the color by 10%, you get **32.8394, 0.4413, 0.4878**, and if you desaturate by 10%, it is **34.1409, 0.4307, 0.4813**.

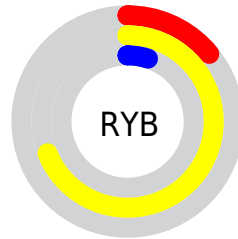
Distribution



Red (69%)

Green (62%)

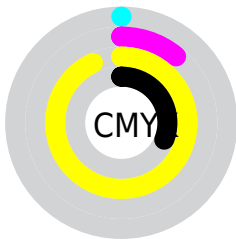
Blue (5%)



Red (14%)

Yellow (69%)

Blue (5%)

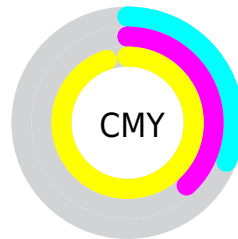


Cyan (0%)

Magenta (11%)

Yellow (93%)

Black (31%)



Cyan (31%)


Magenta (38%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3731, 0.4375, 0.4862 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 33.3731, 0.4375, 0.4862 by changing the saturation by 10% instead.


 33.3731, 0.4375,
0.4862


 33.3731, 0.4375,
0.4862


317.3276, 0.3806,
0.4108


 22.4124, 0.4472,
0.5009


 64.9576, 0.4196,
0.4613

 14.1603, 0.4563,
0.5165


 86.3502, 0.4119,
0.4510

 8.2322, 0.4654,
0.5346


 111.9889, 0.4051,
0.4420

 4.2439, 0.4599,
0.5401

 142.2581, 0.3990,
0.4342

 1.8109, 0.4508,
0.5492

 177.5421, 0.3936,
0.4273

 0.4940, 0.3904,
0.6096

 218.2255, 0.3888,

 0.0000, 0.0000,

0.4211

0.0000

264.6925, 0.3845,
0.4157

33.3731, 0.4375,
0.4862

33.3731, 0.4375,
0.4862

32.8394, 0.4413,
0.4878

34.1409, 0.4307,
0.4813

34.9693, 0.4211,
0.4720

35.8670, 0.4091,
0.4586

36.8402, 0.3951,
0.4416

37.8944, 0.3798,
0.4219

■ 39.0343, 0.3637,
0.4006

■ 40.2643, 0.3475,
0.3784

■ 41.5885, 0.3317,
0.3562

■ 43.0106, 0.3166,
0.3346

Harmonies

Analogous

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



33.3731, 0.4997, 0.4180



33.3731, 0.4375, 0.4862



33.3731, 0.3487, 0.5219

Triad

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



33.3731, 0.4375, 0.4862



33.3731, 0.1490, 0.2605



33.3731, 0.3484, 0.2266

Complementary

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



33.3731, 0.4375, 0.4862



4.2469, 0.1571, 0.0784

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.



33.3731, 0.2494, 0.1915



33.3731, 0.4375, 0.4862



33.3731, 0.1496, 0.2018

Square

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



33.3731, 0.4375, 0.4862



33.3731, 0.1836, 0.3639



33.3731, 0.1823, 0.1818



33.3731, 0.4514, 0.2816

Rectangle

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



33.3731, 0.4375, 0.4862



33.3731, 0.2857, 0.5025



33.3731, 0.1823, 0.1818



33.3731, 0.3129, 0.2123

Sweetspot

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



33.3747, 0.4375, 0.4862



71.7213, 0.3570, 0.3914



9.6181, 0.6065, 0.3187



15.3436, 0.3638, 0.4007



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.3747, 0.4375, 0.4862



59.3588, 0.4417, 0.4875



34.6140, 0.3568, 0.5498



9.7345, 0.3266, 0.3489



24.1565, 0.4410, 0.4880



0.8075, 0.4342, 0.4934

Inverse Universe

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



4.2469, 0.1571, 0.0784



6.4552, 0.1520, 0.0672



4.9337, 0.1905, 0.0861



8.3841, 0.2985, 0.3082



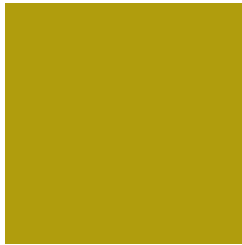
2.7260, 0.1527, 0.0698



0.1368, 0.1623, 0.1041

Previews

White Background



This preview shows how the Yxy color 33.3731, 0.4375, 0.4862 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 33.3731, 0.4375, 0.4862 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 33.3731, 0.4375, 0.4862

Background



This preview shows how black text looks on a background with the Yxy color 33.3731, 0.4375, 0.4862.



This preview shows how white text looks on a background with the Yxy color 33.3731, 0.4375, 0.4862.

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

33.3731, 0.4375, 0.4862

Protanopia

33.3731, 0.4375, 0.4862

Deuteranopia

33.1120, 0.4671, 0.4580



Tritanopia

33.3064, 0.3428, 0.3139

Trichromacy



Original Color

33.3731, 0.4375, 0.4862

Protanomaly

33.3731, 0.4375, 0.4862

Deuteranomaly

32.9991, 0.4566, 0.4683

Tritanomaly

32.7777, 0.3922, 0.3926

Monochromacy



Original Color

33.3731, 0.4375, 0.4862

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.8626, 0.3712, 0.4103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3731, 0.4375, 0.4862 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(176, 157, 13)` looks like.

```
.text, #text, p{  
    color:rgb(176, 157, 13)  
}
```

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(176, 157, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 157, 13) }
```

Border

The CSS property to change the border of an element to Yxy 33.3731, 0.4375, 0.4862 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(176, 157, 13) }
```

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

```
.border{ border-color:rgb(176, 157, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 157, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 157, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 157, 13);  
box-shadow:4px 4px 4px 4px rgb(176, 157,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3731, 0.4375, 0.4862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 157, 13) }
```

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

```
.background{ background-color: rgb(176,  
157, 13) }
```

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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