

Converting Colors

$Y_{xy}(33.7223, 0.4451, 0.4951)$

Have a look what the booklet for
Yxy(33.7223, 0.4451, 0.4951)
contains.

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Color

Yxy(33.9187, 0.4405, 0.4885)

Conversions

Conversions Part 1

Format	Color
Hex	B29E00
RGB	178, 158, 0
RGB Percent	70%, 62%, 0%
CMY	0.3020, 0.3804, 1.0000
CMYK	0.00, 0.11, 1.00, 0.30
HSL	53°, 100%, 35%
HSV	53°, 100%, 70%
XYZ	30.5858, 33.9187, 4.9298
YIQ	145.9680, 62.6380, -44.8980

Conversions

Conversions Part 2

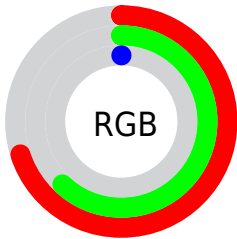
Format	Color
R _Y B	23, 178, 0
Decimal	11705856
CIE Lab	64.90, -6.06, 68.20
CIE LCh	65, 68.465, 95.081
Yxy	33.9187, 0.4405, 0.4885
Android (android.graphics.Color)	4289895936 (0xFFB29E00)
YUV	145.9680, -71.9622, 28.0921
Hunter-Lab	58.2398, -8.1765, 35.7491

Details

The Yxy color **33.9187, 0.4405, 0.4885** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.7142, 0.1523, 0.0683**, and the grayscale version is **29.0135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7721, 0.4230, 0.4631**, and **14.5803, 0.4404, 0.4885** is the 20% darker color. If you saturate the color by 10%, you get **33.9207, 0.4405, 0.4885**, and if you desaturate by 10%, it is **34.6513, 0.4353, 0.4859**.

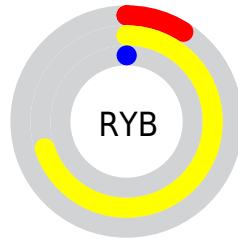
Distribution



Red (70%)

Green (62%)

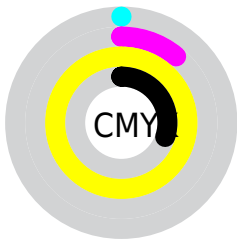
Blue (0%)



Red (9%)

Yellow (70%)

Blue (0%)

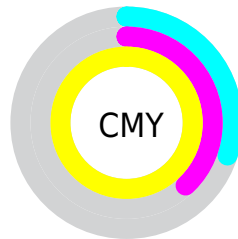


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9187, 0.4405, 0.4885 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 33.9187, 0.4405, 0.4885 by changing the saturation by 10% instead.


 33.9187, 0.4405,
0.4885


 33.9187, 0.4405,
0.4885


319.7694, 0.3829,
0.4130


 22.8311, 0.4500,
0.5027


 65.8072, 0.4227,
0.4638


 14.4689, 0.4590,
0.5180


 87.3770, 0.4149,
0.4536


 8.4475, 0.4663,
0.5337


 113.2096, 0.4080,
0.4446

 4.3826, 0.4611,
0.5389

 143.6895, 0.4018,
0.4367

 1.8898, 0.4525,
0.5475

 179.2010, 0.3963,
0.4297

 0.5422, 0.4039,
0.5961

 220.1286, 0.3913,

 0.0000, 0.0000,

0.4234

0.0000

266.8566, 0.3869,
0.4179

33.9187, 0.4405,
0.4885

33.9187, 0.4405,
0.4885

33.9207, 0.4405,
0.4885

34.6513, 0.4353,
0.4859

35.4320, 0.4279,
0.4799

36.2777, 0.4178,
0.4694

37.1957, 0.4053,
0.4549

38.1919, 0.3910,
0.4371

■ 39.2718, 0.3755,
0.4168

■ 40.4402, 0.3594,
0.3951

■ 41.7014, 0.3433,
0.3727

■ 43.0597, 0.3276,
0.3505

Harmonies

Analogous

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



33.9187, 0.5043, 0.4180



33.9187, 0.4405, 0.4885



33.9187, 0.3499, 0.5272

Triad

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



33.9187, 0.4405, 0.4885



33.9187, 0.1457, 0.2593



33.9187, 0.3478, 0.2238

Complementary

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



33.9187, 0.4405, 0.4885



3.7142, 0.1523, 0.0683

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.



33.9187, 0.2468, 0.1884



33.9187, 0.4405, 0.4885



33.9187, 0.1461, 0.1992

Square

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



33.9187, 0.4405, 0.4885



33.9187, 0.1811, 0.3660



33.9187, 0.1789, 0.1787



33.9187, 0.4541, 0.2795

Rectangle

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



33.9187, 0.4405, 0.4885



33.9187, 0.2855, 0.5086



33.9187, 0.1789, 0.1787



33.9187, 0.3114, 0.2094

Sweetspot

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



33.9207, 0.4405, 0.4885



73.2242, 0.3602, 0.3962



9.5179, 0.6254, 0.3219



16.0234, 0.3670, 0.4054



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.



33.9207, 0.4405, 0.4885



61.3014, 0.4409, 0.4881



35.1397, 0.3539, 0.5572



9.7404, 0.3266, 0.3490



24.3291, 0.4402, 0.4887



0.8115, 0.4337, 0.4939

Inverse Universe

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



3.7142, 0.1523, 0.0683



6.5705, 0.1519, 0.0668



4.4516, 0.1821, 0.0777



8.3788, 0.2985, 0.3081



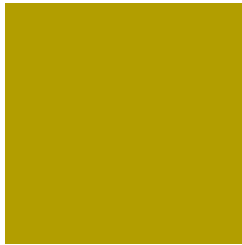
2.7065, 0.1526, 0.0694



0.1345, 0.1619, 0.1027

Previews

White Background



This preview shows how the Yxy color 33.9187, 0.4405, 0.4885 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 33.9187, 0.4405, 0.4885 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 33.9187, 0.4405, 0.4885

Background



This preview shows how black text looks on a background with the Yxy color 33.9187, 0.4405, 0.4885.



This preview shows how white text looks on a background with the Yxy color 33.9187, 0.4405, 0.4885.

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

33.9187, 0.4405, 0.4885

Protanopia

33.9209, 0.4403, 0.4882

Deuteranopia

33.6875, 0.4686, 0.4586



Tritanopia

33.9009, 0.3437, 0.3141

Trichromacy



Original Color

33.9187, 0.4405, 0.4885

Protanomaly

33.9209, 0.4403, 0.4882

Deuteranomaly

33.5619, 0.4587, 0.4695

Tritanomaly

33.2631, 0.3977, 0.3987

Monochromacy



Original Color

33.9187, 0.4405, 0.4885

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.8721, 0.3771, 0.4175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9187, 0.4405, 0.4885 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, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 158, 0)  
}
```

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, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.9187, 0.4405, 0.4885 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, 158, 0) }
```

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

```
.border{ border-color:rgb(178, 158, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 158,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9187, 0.4405, 0.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 158, 0) }
```

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

```
.background{ background-color: rgb(178,  
158, 0) }
```

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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