

Converting Colors

$Y_{xy}(33.2057, 0.4624, 0.4710)$

Have a look what the booklet for
Yxy(33.2057, 0.4624, 0.4710)
contains.

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Color

Yxy(33.2096, 0.4620, 0.4713)

Conversions

Conversions Part 1

Format	Color
Hex	BF9700
RGB	191, 151, 0
RGB Percent	75%, 59%, 0%
CMY	0.2510, 0.4078, 0.9992
CMYK	0.00, 0.21, 1.00, 0.25
HSL	47°, 100%, 37%
HSV	47°, 100%, 75%
XYZ	32.5543, 33.2096, 4.6999
YIQ	145.7460, 72.3110, -38.4810

Conversions

Conversions Part 2

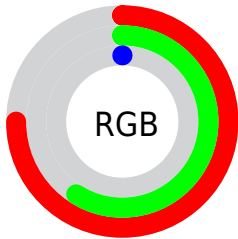
Format	Color
R_{YB}	51, 191, 0
Decimal	12556032
CIE _{Lab}	64.33, 3.58, 68.34
CIE _{LCh}	64, 68.437, 87.000
Yxy	33.2096, 0.4620, 0.4713
Android (android.graphics.Color)	4290746112 (0xFFBF9700)
YUV	145.7460, -71.8528, 39.6878
Hunter-Lab	57.6278, -0.0128, 35.5039

Details

The Yxy color **33.2096, 0.4620, 0.4713** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **5.2950, 0.1559, 0.0812**, and the grayscale version is **28.9235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8525, 0.4398, 0.4512**, and **14.2129, 0.4664, 0.4679** is the 20% darker color. If you saturate the color by 10%, you get **33.1967, 0.4621, 0.4713**, and if you desaturate by 10%, it is **34.5699, 0.4538, 0.4707**.

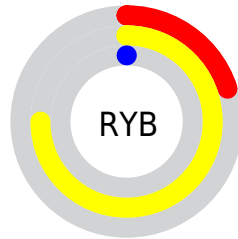
Distribution



Red (75%)

Green (59%)

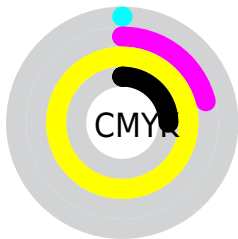
Blue (0%)



Red (20%)

Yellow (75%)

Blue (0%)

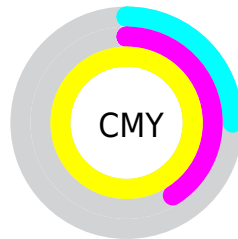


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (41%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2096, 0.4620, 0.4713 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 33.2096, 0.4620, 0.4713 by changing the saturation by 10% instead.


 33.2096, 0.4620,
0.4713

 33.2096, 0.4620,
0.4713


316.5931, 0.3926,
0.4071

 22.2871, 0.4745,
0.4819


 64.7026, 0.4398,
0.4514


 14.0680, 0.4877,
0.4925


 86.0419, 0.4304,
0.4428

 8.1680, 0.4996,
0.5004


 111.6222, 0.4221,
0.4350

 4.2026, 0.5026,
0.4974

 141.8280, 0.4148,
0.4281

 1.7875, 0.5076,
0.4924

 177.0435, 0.4083,
0.4220

 0.4794, 0.5311,
0.4689

 217.6533, 0.4025,

 0.0000, 0.0000,

0.4165

0.0000

264.0417, 0.3973,
0.4116

33.2096, 0.4620,
0.4713

33.2096, 0.4620,
0.4713

33.1967, 0.4621,
0.4713

34.5699, 0.4538,
0.4707

36.0197, 0.4431,
0.4661

37.5775, 0.4297,
0.4569

39.2522, 0.4140,
0.4436

41.0515, 0.3970,
0.4271

■ 42.9819, 0.3792,
0.4084

■ 45.0497, 0.3614,
0.3885

■ 47.2603, 0.3441,
0.3681

■ 49.6190, 0.3278,
0.3481

Harmonies

Analogous

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



33.2096, 0.5145, 0.3984



33.2096, 0.4620, 0.4713



33.2096, 0.3758, 0.5242

Triad

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



33.2096, 0.4620, 0.4713



33.2096, 0.1506, 0.2833



33.2096, 0.3183, 0.2113

Complementary

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



33.2096, 0.4620, 0.4713



5.2950, 0.1559, 0.0812

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.



33.2096, 0.2243, 0.1824



33.2096, 0.4620, 0.4713



33.2096, 0.1420, 0.2102

Square

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



33.2096, 0.4620, 0.4713



33.2096, 0.1967, 0.4003



33.2096, 0.1661, 0.1802



33.2096, 0.4286, 0.2627

Rectangle

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



33.2096, 0.4620, 0.4713



33.2096, 0.3111, 0.5229



33.2096, 0.1661, 0.1802



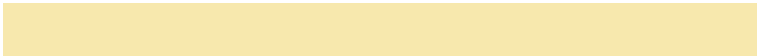
33.2096, 0.2835, 0.1989

Sweetspot

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



33.2112, 0.4620, 0.4713



80.4568, 0.3624, 0.3896



11.2454, 0.6031, 0.3097



17.3151, 0.3700, 0.3982



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



33.2112, 0.4620, 0.4713



59.0881, 0.4629, 0.4707



42.5778, 0.3700, 0.5444



10.7716, 0.3269, 0.3470



21.9345, 0.4614, 0.4719



0.9460, 0.4495, 0.4813

Inverse Universe

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



5.2950, 0.1559, 0.0812



9.1805, 0.1553, 0.0789



4.5580, 0.1681, 0.0700



9.5409, 0.2984, 0.3103



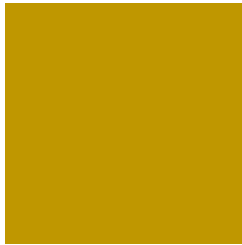
3.5680, 0.1564, 0.0829



0.2361, 0.1689, 0.1279

Previews

White Background



This preview shows how the Yxy color 33.2096, 0.4620, 0.4713 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 33.2096, 0.4620, 0.4713 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 33.2096, 0.4620, 0.4713

Background



This preview shows how black text looks on a background with the Yxy color 33.2096, 0.4620, 0.4713.



This preview shows how white text looks on a background with the Yxy color 33.2096, 0.4620, 0.4713.

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

33.2096, 0.4620, 0.4713

Protanopia

33.3638, 0.4382, 0.4871

Deuteranopia

33.2121, 0.4706, 0.4605



Tritanopia

33.1326, 0.3658, 0.3147

Trichromacy



Original Color

33.2096, 0.4620, 0.4713

Protanomaly

33.2796, 0.4461, 0.4819

Deuteranomaly

33.1145, 0.4671, 0.4646

Tritanomaly

32.5268, 0.4205, 0.3924

Monochromacy



Original Color

33.2096, 0.4620, 0.4713

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.6515, 0.3828, 0.4133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2096, 0.4620, 0.4713 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(191, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 151, 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(191, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 151, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.2096, 0.4620, 0.4713 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(191, 151, 0) }
```

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

```
.border{ border-color:rgb(191, 151, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 151, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 151,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2096, 0.4620, 0.4713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 151, 0) }
```

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

```
.background{ background-color: rgb(191,  
151, 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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