

Converting Colors

$Y_{xy}(29.1290, 0.4635, 0.4701)$

Have a look what the booklet for
Yxy(29.1290, 0.4635, 0.4701)
contains.

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Color

Yxy(29.1698, 0.4633, 0.4704)

Conversions

Conversions Part 1

Format	Color
Hex	B58E00
RGB	181, 142, 0
RGB Percent	71%, 56%, 0%
CMY	0.2902, 0.4431, 1.0000
CMYK	0.00, 0.22, 1.00, 0.29
HSL	47°, 100%, 35%
HSV	47°, 100%, 71%
XYZ	28.7295, 29.1698, 4.1113
YIQ	137.4730, 68.8260, -35.8940

Conversions

Conversions Part 2

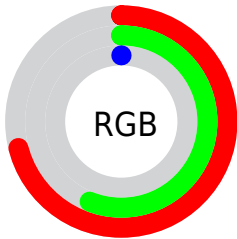
Format	Color
RYB	50, 181, 0
Decimal	11898368
CIELab	60.93, 3.96, 65.54
CIELCh	61, 65.662, 86.545
Yxy	29.1698, 0.4633, 0.4704
Android (android.graphics.Color)	4290088448 (0xFFB58E00)
YUV	137.4730, -67.7742, 38.1732
Hunter-Lab	54.0091, 0.4352, 33.2930

Details

The Yxy color **29.1698, 0.4633, 0.4704** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.7876, 0.1563, 0.0825**, and the grayscale version is **25.4489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1859, 0.4403, 0.4500**, and **11.8652, 0.4701, 0.4650** is the 20% darker color. If you saturate the color by 10%, you get **29.1716, 0.4633, 0.4704**, and if you desaturate by 10%, it is **30.3966, 0.4547, 0.4697**.

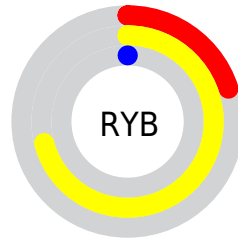
Distribution



Red (71%)

Green (56%)

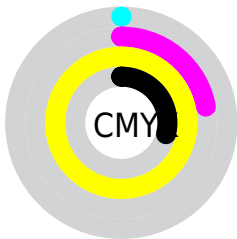
Blue (0%)



Red (20%)

Yellow (71%)

Blue (0%)

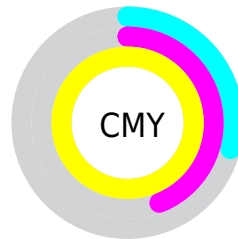


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1698, 0.4633, 0.4704 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 29.1698, 0.4633, 0.4704 by changing the saturation by 10% instead.


 29.1698, 0.4633,
0.4704


 29.1698, 0.4633,
0.4704


298.0153, 0.3915,
0.4052

 19.2093, 0.4765,
0.4812


 58.3468, 0.4400,
0.4500


 11.8216, 0.4920,
0.4934


 78.3320, 0.4302,
0.4412


 6.6223, 0.5018,
0.4982


 102.4276, 0.4216,
0.4333

 3.2271, 0.5057,
0.4943

 131.0180, 0.4141,
0.4263

 1.2514, 0.5124,
0.4876

 164.4876, 0.4074,
0.4201


 0.1031, 0.6537,
0.3463


 203.2208, 0.4015,


 0.0000, 0.0000,


0.4146

0.0000


 247.6018, 0.3963,
0.4097


 29.1698, 0.4633,
0.4704


 29.1698, 0.4633,
0.4704


 29.1716, 0.4633,
0.4704

 30.3966, 0.4547,
0.4697

 31.7033, 0.4438,
0.4651

 33.1074, 0.4302,
0.4559

 34.6167, 0.4144,
0.4427

 36.2378, 0.3972,
0.4263

■ 37.9768, 0.3793,
0.4078

■ 39.8388, 0.3615,
0.3881

■ 41.8289, 0.3443,
0.3679

■ 43.9516, 0.3279,
0.3481

Harmonies

Analogous

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



29.1698, 0.5152, 0.3973



29.1698, 0.4633, 0.4704



29.1698, 0.3772, 0.5241

Triad

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



29.1698, 0.4633, 0.4704



29.1698, 0.1508, 0.2847



29.1698, 0.3166, 0.2106

Complementary

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



29.1698, 0.4633, 0.4704



4.7876, 0.1563, 0.0825

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.



29.1698, 0.2230, 0.1819



29.1698, 0.4633, 0.4704



29.1698, 0.1416, 0.2108

Square

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



29.1698, 0.4633, 0.4704



29.1698, 0.1975, 0.4024



29.1698, 0.1652, 0.1802



29.1698, 0.4272, 0.2616

Rectangle

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



29.1698, 0.4633, 0.4704



29.1698, 0.3126, 0.5238



29.1698, 0.1652, 0.1802



29.1698, 0.2819, 0.1982

Sweetspot

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



29.1716, 0.4633, 0.4704



71.1727, 0.3624, 0.3891



9.9724, 0.6026, 0.3093



15.0793, 0.3697, 0.3973



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.



29.1716, 0.4633, 0.4704



51.8956, 0.4641, 0.4697



37.7740, 0.3702, 0.5443



9.5897, 0.3268, 0.3468



20.2130, 0.4626, 0.4709



0.7136, 0.4484, 0.4822

Inverse Universe

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



4.7876, 0.1563, 0.0825



8.3036, 0.1556, 0.0803



4.0477, 0.1683, 0.0701



8.5172, 0.2985, 0.3106



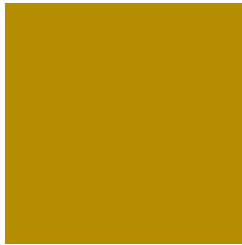
3.3858, 0.1568, 0.0844



0.1916, 0.1712, 0.1364

Previews

White Background



This preview shows how the Yxy color 29.1698, 0.4633, 0.4704 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1698, 0.4633, 0.4704 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 × Fail

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

Yxy 29.1698, 0.4633, 0.4704

Background



This preview shows how black text looks on a background with the Yxy color 29.1698, 0.4633, 0.4704.



This preview shows how white text looks on a background with the Yxy color 29.1698, 0.4633, 0.4704.

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

29.1698, 0.4633, 0.4704

Protanopia

29.3065, 0.4380, 0.4868

Deuteranopia

29.2172, 0.4692, 0.4618



Tritanopia

29.1469, 0.3664, 0.3153

Trichromacy



Original Color

29.1698, 0.4633, 0.4704

Protanomaly

29.2288, 0.4464, 0.4814

Deuteranomaly

29.2532, 0.4666, 0.4654

Tritanomaly

28.6608, 0.4205, 0.3931

Monochromacy



Original Color

29.1698, 0.4633, 0.4704

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.9257, 0.3838, 0.4130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1698, 0.4633, 0.4704 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(181, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 142, 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(181, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.1698, 0.4633, 0.4704 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(181, 142, 0) }
```

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

```
.border{ border-color:rgb(181, 142, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 142,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1698, 0.4633, 0.4704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 142, 0) }
```

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

```
.background{ background-color: rgb(181,  
142, 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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