

Converting Colors

$Y_{xy}(30.0416, 0.4715, 0.4638)$

Have a look what the booklet for
Yxy(30.0416, 0.4715, 0.4638)
contains.

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Color

Yxy(30.1648, 0.4715, 0.4639)

Conversions

Conversions Part 1

Format	Color
Hex	BD8E00
RGB	189, 142, 0
RGB Percent	74%, 56%, 0%
CMY	0.2588, 0.4431, 1.0000
CMYK	0.00, 0.25, 1.00, 0.26
HSL	45°, 100%, 37%
HSV	45°, 100%, 74%
XYZ	30.6590, 30.1648, 4.2006
YIQ	139.8650, 73.5940, -34.1980

Conversions

Conversions Part 2

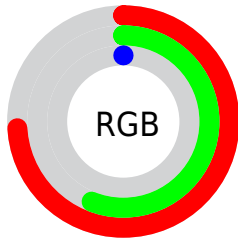
Format	Color
RYB	63, 189, 0
Decimal	12422656
CIELab	61.80, 7.58, 66.55
CIELCh	62, 66.982, 83.503
Yxy	30.1648, 0.4715, 0.4639
Android (android.graphics.Color)	4290612736 (0xFFBD8E00)
YUV	139.8650, -68.9534, 43.0914
Hunter-Lab	54.9225, 3.5284, 33.9111

Details

The Yxy color **30.1648, 0.4715, 0.4639** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **5.7071, 0.1579, 0.0883**, and the grayscale version is **26.4232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8221, 0.4471, 0.4450**, and **12.4001, 0.4802, 0.4569** is the 20% darker color. If you saturate the color by 10%, you get **30.1667, 0.4715, 0.4639**, and if you desaturate by 10%, it is **31.6416, 0.4618, 0.4640**.

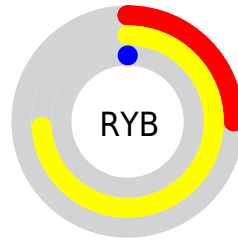
Distribution



Red (74%)

Green (56%)

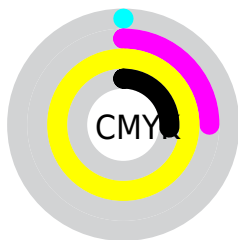
Blue (0%)



Red (25%)

Yellow (74%)

Blue (0%)

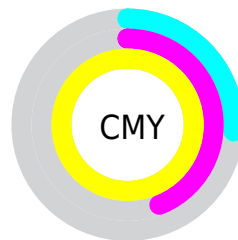


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1648, 0.4715, 0.4639 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 30.1648, 0.4715, 0.4639 by changing the saturation by 10% instead.

 30.1648, 0.4715,
0.4639


 30.1648, 0.4715,
0.4639


302.6719, 0.3958,
0.4036


 19.9637, 0.4857,
0.4732

 59.9227, 0.4468,
0.4456

 12.3687, 0.5021,
0.4829


 80.2483, 0.4365,
0.4375

 6.9953, 0.5144,
0.4856


 104.7175, 0.4275,
0.4302

 3.4591, 0.5214,
0.4786

 133.7148, 0.4195,
0.4236

 1.3759, 0.5333,
0.4667

 167.6244, 0.4125,
0.4178


 0.1988, 0.6529,
0.3471


 206.8309, 0.4063,

 0.0000, 0.0000,


0.4126

0.0000


 251.7186, 0.4007,
0.4078


 30.1648, 0.4715,
0.4639

 30.1648, 0.4715,
0.4639


 30.1667, 0.4715,
0.4639

 31.6416, 0.4618,
0.4640

 33.2215, 0.4496,
0.4601

 34.9236, 0.4347,
0.4515

 36.7568, 0.4177,
0.4388

 38.7288, 0.3995,
0.4230

■ 40.8464, 0.3808,
0.4050

■ 43.1158, 0.3623,
0.3859

■ 45.5426, 0.3447,
0.3665

■ 48.1323, 0.3280,
0.3474

Harmonies

Analogous

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



30.1648, 0.5190, 0.3899



30.1648, 0.4715, 0.4639



30.1648, 0.3870, 0.5224

Triad

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



30.1648, 0.4715, 0.4639



30.1648, 0.1526, 0.2945



30.1648, 0.3056, 0.2057

Complementary

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



30.1648, 0.4715, 0.4639



5.7071, 0.1579, 0.0883

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.



30.1648, 0.2147, 0.1795



30.1648, 0.4715, 0.4639



30.1648, 0.1399, 0.2152

Square

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



30.1648, 0.4715, 0.4639



30.1648, 0.2036, 0.4160



30.1648, 0.1604, 0.1807



30.1648, 0.4174, 0.2551

Rectangle

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



30.1648, 0.4715, 0.4639



30.1648, 0.3223, 0.5285



30.1648, 0.1604, 0.1807



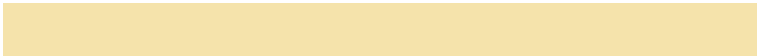
30.1648, 0.2716, 0.1941

Sweetspot

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



30.1667, 0.4715, 0.4639



77.0165, 0.3632, 0.3868



11.0264, 0.5934, 0.3042



16.1875, 0.3709, 0.3950



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



30.1667, 0.4715, 0.4639



53.6276, 0.4724, 0.4631



42.1252, 0.3757, 0.5399



10.7077, 0.3270, 0.3461



20.4222, 0.4706, 0.4645



0.8976, 0.4559, 0.4762

Inverse Universe

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



5.7071, 0.1579, 0.0883



9.9042, 0.1572, 0.0860



4.2846, 0.1644, 0.0679



9.6005, 0.2984, 0.3113



3.9438, 0.1584, 0.0904



0.2620, 0.1719, 0.1387

Previews

White Background



This preview shows how the Yxy color 30.1648, 0.4715, 0.4639 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 30.1648, 0.4715, 0.4639 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 30.1648, 0.4715, 0.4639

Background



This preview shows how black text looks on a background with the Yxy color 30.1648, 0.4715, 0.4639.



This preview shows how white text looks on a background with the Yxy color 30.1648, 0.4715, 0.4639.

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

30.1648, 0.4715, 0.4639

Protanopia

30.2696, 0.4387, 0.4860

Deuteranopia

30.1714, 0.4709, 0.4632



Tritanopia

30.1913, 0.3754, 0.3158

Trichromacy



Original Color

30.1648, 0.4715, 0.4639

Protanomaly

30.1107, 0.4505, 0.4782

Deuteranomaly

30.1692, 0.4711, 0.4634

Tritanomaly

29.6840, 0.4295, 0.3905

Monochromacy



Original Color

30.1648, 0.4715, 0.4639

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.0401, 0.3865, 0.4110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1648, 0.4715, 0.4639 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(189, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.1648, 0.4715, 0.4639 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(189, 142, 0) }
```

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

```
.border{ border-color:rgb(189, 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(189, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 142,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1648, 0.4715, 0.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 142, 0) }
```

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

```
.background{ background-color: rgb(189,  
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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