

Converting Colors

$Y_{xy}(30.0368, 0.4756, 0.4606)$

Have a look what the booklet for
Yxy(30.0368, 0.4756, 0.4606)
contains.

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Color

Yxy(30.1261, 0.4748, 0.4612)

Conversions

Conversions Part 1

Format	Color
Hex	BF8D00
RGB	191, 141, 0
RGB Percent	75%, 55%, 0%
CMY	0.2509, 0.4471, 0.9999
CMYK	0.00, 0.26, 1.00, 0.25
HSL	44°, 100%, 37%
HSV	44°, 100%, 75%
XYZ	31.0145, 30.1261, 4.1806
YIQ	139.8760, 75.0610, -33.2510

Conversions

Conversions Part 2

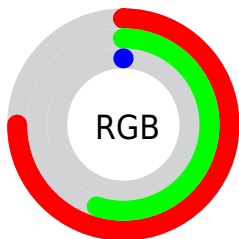
Format	Color
RYB	68, 191, 0
Decimal	12553472
CIELab	61.76, 9.04, 66.60
CIELCh	62, 67.213, 82.268
Yxy	30.1261, 0.4748, 0.4612
Android (android.graphics.Color)	4290743552 (0xFFBF8D00)
YUV	139.8760, -68.9589, 44.8357
Hunter-Lab	54.8872, 4.8101, 33.9052

Details

The Yxy color **30.1261, 0.4748, 0.4612** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **6.0475, 0.1586, 0.0909**, and the grayscale version is **26.4282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7469, 0.4495, 0.4432**, and **12.3877, 0.4849, 0.4532** is the 20% darker color. If you saturate the color by 10%, you get **30.1260, 0.4748, 0.4612**, and if you desaturate by 10%, it is **31.6838, 0.4646, 0.4617**.

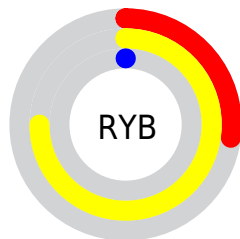
Distribution



Red (75%)

Green (55%)

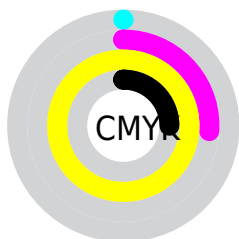
Blue (0%)



Red (27%)

Yellow (75%)

Blue (0%)

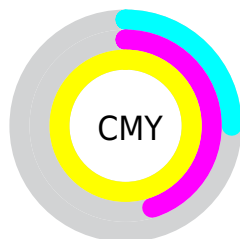


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1261, 0.4748, 0.4612 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 30.1261, 0.4748, 0.4612 by changing the saturation by 10% instead.

 30.1261, 0.4748,
0.4612


 30.1261, 0.4748,
0.4612


 302.4918, 0.3973,
0.4027

 19.9343, 0.4894,
0.4699

 59.8615, 0.4494,
0.4437


 12.3473, 0.5065,
0.4788


 80.1740, 0.4389,
0.4358

 6.9807, 0.5195,
0.4805


 104.6288, 0.4296,
0.4287

 3.4500, 0.5278,
0.4722

 133.6103, 0.4215,
0.4223

 1.3709, 0.5418,
0.4582

 167.5030, 0.4144,
0.4166


 0.1952, 0.6755,
0.3245


 206.6912, 0.4080,


 0.0000, 0.0000,


0.4115


0.0000


 251.5593, 0.4024,
0.4069


 30.1261, 0.4748,
0.4612


 30.1261, 0.4748,
0.4612


 30.1260, 0.4748,
0.4612

 31.6838, 0.4646,
0.4617

 33.3541, 0.4519,
0.4580

 35.1561, 0.4365,
0.4497

 37.0991, 0.4190,
0.4372

 39.1910, 0.4003,
0.4216

■ 41.4390, 0.3813,
0.4038

■ 43.8496, 0.3626,
0.3850

■ 46.4288, 0.3448,
0.3659

■ 49.1820, 0.3281,
0.3470

Harmonies

Analogous

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



30.1261, 0.5205, 0.3869



30.1261, 0.4748, 0.4612



30.1261, 0.3910, 0.5215

Triad

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



30.1261, 0.4748, 0.4612



30.1261, 0.1534, 0.2987



30.1261, 0.3012, 0.2037

Complementary

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



30.1261, 0.4748, 0.4612



6.0475, 0.1586, 0.0909

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.



30.1261, 0.2114, 0.1786



30.1261, 0.4748, 0.4612



30.1261, 0.1393, 0.2171

Square

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



30.1261, 0.4748, 0.4612



30.1261, 0.2062, 0.4216



30.1261, 0.1584, 0.1809



30.1261, 0.4133, 0.2524

Rectangle

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



30.1261, 0.4748, 0.4612



30.1261, 0.3262, 0.5301



30.1261, 0.1584, 0.1809



30.1261, 0.2674, 0.1925

Sweetspot

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



30.1276, 0.4748, 0.4612



78.3010, 0.3635, 0.3859



11.3179, 0.5882, 0.3014



16.7830, 0.3714, 0.3940



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.



30.1276, 0.4748, 0.4612



53.5272, 0.4758, 0.4604



43.4226, 0.3785, 0.5377



10.6861, 0.3270, 0.3459



19.9305, 0.4739, 0.4619



0.8816, 0.4581, 0.4744

Inverse Universe

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



6.0475, 0.1586, 0.0909



10.4925, 0.1579, 0.0885



4.3114, 0.1627, 0.0670



9.6208, 0.2984, 0.3116



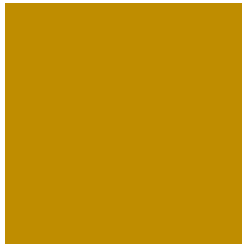
4.0862, 0.1592, 0.0931



0.2708, 0.1729, 0.1423

Previews

White Background



This preview shows how the Yxy color 30.1261, 0.4748, 0.4612 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 30.1261, 0.4748, 0.4612 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 30.1261, 0.4748, 0.4612

Background



This preview shows how black text looks on a background with the Yxy color 30.1261, 0.4748, 0.4612.



This preview shows how white text looks on a background with the Yxy color 30.1261, 0.4748, 0.4612.

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

30.1261, 0.4748, 0.4612

Protanopia

30.2719, 0.4385, 0.4857

Deuteranopia

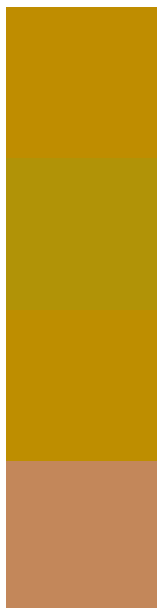
30.1648, 0.4715, 0.4639



Tritanopia

30.1615, 0.3792, 0.3159

Trichromacy



Original Color

30.1261, 0.4748, 0.4612

Protanomaly

30.2299, 0.4514, 0.4771

Deuteranomaly

30.2932, 0.4725, 0.4631

Tritanomaly

29.6682, 0.4325, 0.3886

Monochromacy



Original Color

30.1261, 0.4748, 0.4612

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.8484, 0.3883, 0.4092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1261, 0.4748, 0.4612 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, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 141, 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, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 141, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.1261, 0.4748, 0.4612 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, 141, 0) }
```

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

```
.border{ border-color:rgb(191, 141, 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, 141, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 141,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1261, 0.4748, 0.4612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 141, 0) }
```

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

```
.background{ background-color: rgb(191,  
141, 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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