

Converting Colors

$Y_{xy}(29.4625, 0.4676, 0.4669)$

Have a look what the booklet for
Yxy(29.4625, 0.4676, 0.4669)
contains.

Yxy(29.6603, 0.4674, 0.4671)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.6603, 0.4674, 0.4671)

Conversions

Conversions Part 1

Format	Color
Hex	B98E00
RGB	185, 142, 0
RGB Percent	73%, 56%, 0%
CMY	0.2745, 0.4431, 1.0000
CMYK	0.00, 0.23, 1.00, 0.27
HSL	46°, 100%, 36%
HSV	46°, 100%, 73%
XYZ	29.6793, 29.6603, 4.1592
YIQ	138.6690, 71.2100, -35.0460

Conversions

Conversions Part 2

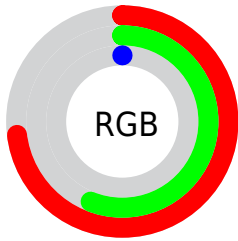
Format	Color
RYB	56, 185, 0
Decimal	12160512
CIELab	61.36, 5.77, 66.02
CIELCh	61, 66.274, 85.008
Yxy	29.6603, 0.4674, 0.4671
Android (android.graphics.Color)	4290350592 (0xFFB98E00)
YUV	138.6690, -68.3638, 40.6323
Hunter-Lab	54.4613, 1.9686, 33.5949

Details

The Yxy color **29.6603, 0.4674, 0.4671** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **5.2292, 0.1571, 0.0854**, and the grayscale version is **25.9329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9106, 0.4431, 0.4474**, and **12.1663, 0.4759, 0.4603** is the 20% darker color. If you saturate the color by 10%, you get **29.6619, 0.4674, 0.4671**, and if you desaturate by 10%, it is **31.0112, 0.4583, 0.4668**.

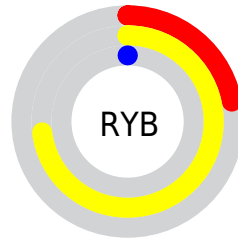
Distribution



Red (73%)

Green (56%)

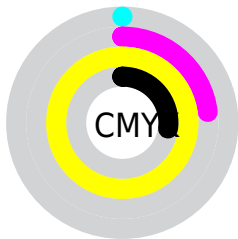
Blue (0%)



Red (22%)

Yellow (73%)

Blue (0%)

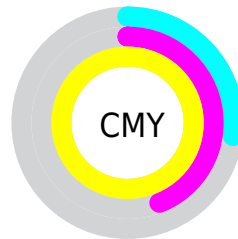


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6603, 0.4674, 0.4671 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 29.6603, 0.4674, 0.4671 by changing the saturation by 10% instead.


 29.6603, 0.4674,
0.4671


 29.6603, 0.4674,
0.4671


300.3178, 0.3937,
0.4044

 19.5809, 0.4811,
0.4772


 59.1245, 0.4434,
0.4478

 12.0908, 0.4971,
0.4880


 79.2782, 0.4333,
0.4393

 6.8055, 0.5082,
0.4918


 103.5587, 0.4245,
0.4317

 3.3408, 0.5137,
0.4863

 132.3504, 0.4168,
0.4250

 1.3121, 0.5231,
0.4769

 166.0378, 0.4099,
0.4189

 0.1506, 0.6534,
0.3466


 205.0052, 0.4039,

 0.0000, 0.0000,


0.4136

0.0000


 249.6371, 0.3985,
0.4087

 29.6603, 0.4674,
0.4671


 29.6603, 0.4674,
0.4671


 29.6619, 0.4674,
0.4671

 31.0112, 0.4583,
0.4668

 32.4534, 0.4467,
0.4626

 34.0048, 0.4325,
0.4537

 35.6738, 0.4161,
0.4408

 37.4675, 0.3983,
0.4246

■ 39.3924, 0.3801,
0.4064

■ 41.4541, 0.3619,
0.3870

■ 43.6579, 0.3445,
0.3672

■ 46.0088, 0.3280,
0.3477

Harmonies

Analogous

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



29.6603, 0.5171, 0.3936



29.6603, 0.4674, 0.4671



29.6603, 0.3822, 0.5232

Triad

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



29.6603, 0.4674, 0.4671



29.6603, 0.1517, 0.2896



29.6603, 0.3111, 0.2081

Complementary

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



29.6603, 0.4674, 0.4671



5.2292, 0.1571, 0.0854

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.



29.6603, 0.2189, 0.1808



29.6603, 0.4674, 0.4671



29.6603, 0.1408, 0.2130

Square

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



29.6603, 0.4674, 0.4671



29.6603, 0.2006, 0.4092



29.6603, 0.1628, 0.1805



29.6603, 0.4222, 0.2584

Rectangle

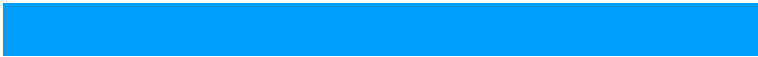
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.6603, 0.4674, 0.4671



29.6603, 0.3175, 0.5262



29.6603, 0.1628, 0.1805



29.6603, 0.2767, 0.1962

Sweetspot

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



29.6619, 0.4674, 0.4671



74.0625, 0.3628, 0.3879



10.4891, 0.5981, 0.3069



15.6280, 0.3704, 0.3961



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



29.6619, 0.4674, 0.4671



52.7548, 0.4683, 0.4664



39.9013, 0.3729, 0.5421



10.1400, 0.3269, 0.3464



20.3136, 0.4666, 0.4677



0.8037, 0.4521, 0.4792

Inverse Universe

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



5.2292, 0.1571, 0.0854



9.0726, 0.1564, 0.0831



4.1638, 0.1663, 0.0690



9.0492, 0.2985, 0.3109



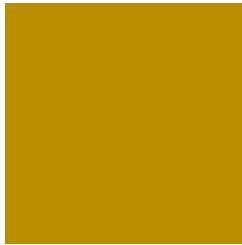
3.6556, 0.1576, 0.0873



0.2256, 0.1716, 0.1378

Previews

White Background



This preview shows how the Yxy color 29.6603, 0.4674, 0.4671 looks on a white background.

Color Contrast Check

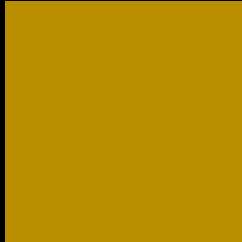
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6603, 0.4674, 0.4671 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 29.6603, 0.4674, 0.4671

Background



This preview shows how black text looks on a background with the Yxy color 29.6603, 0.4674, 0.4671.



This preview shows how white text looks on a background with the Yxy color 29.6603, 0.4674, 0.4671.

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

29.6603, 0.4674, 0.4671

Protanopia

29.8394, 0.4390, 0.4861

Deuteranopia

29.7587, 0.4703, 0.4618



Tritanopia

29.6620, 0.3709, 0.3155

Trichromacy



Original Color

29.6603, 0.4674, 0.4671

Protanomaly

29.5696, 0.4496, 0.4788

Deuteranomaly

29.6255, 0.4698, 0.4633

Tritanomaly

29.1653, 0.4250, 0.3918

Monochromacy



Original Color

29.6603, 0.4674, 0.4671

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.5287, 0.3857, 0.4118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6603, 0.4674, 0.4671 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(185, 142, 0)` looks like.

```
.text, #text, p{  
  color:rgb(185, 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(185, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.6603, 0.4674, 0.4671 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(185, 142, 0) }
```

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

```
.border{ border-color:rgb(185, 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(185, 142, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 142,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6603, 0.4674, 0.4671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 142, 0) }
```

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

```
.background{ background-color: rgb(185,  
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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