

Converting Colors

$Y_{xy}(28.5920, 0.4716, 0.4638)$

Have a look what the booklet for
Yxy(28.5920, 0.4716, 0.4638)
contains.

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Color

Yxy(28.7795, 0.4714, 0.4639)

Conversions

Conversions Part 1

Format	Color
Hex	B98B00
RGB	185, 139, 0
RGB Percent	73%, 55%, 0%
CMY	0.2744, 0.4549, 0.9999
CMYK	0.00, 0.25, 1.00, 0.27
HSL	45°, 100%, 36%
HSV	45°, 100%, 73%
XYZ	29.2448, 28.7795, 4.0139
YIQ	136.9080, 72.0350, -33.4770

Conversions

Conversions Part 2

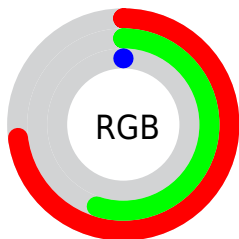
Format	Color
RYB	61, 185, 0
Decimal	12159744
CIELab	60.59, 7.44, 65.48
CIELCh	61, 65.904, 83.520
Yxy	28.7795, 0.4714, 0.4639
Android (android.graphics.Color)	4290349824 (0xFFB98B00)
YUV	136.9080, -67.4956, 42.1767
Hunter-Lab	53.6465, 3.4258, 33.1165

Details

The Yxy color **28.7795, 0.4714, 0.4639** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **5.4618, 0.1580, 0.0886**, and the grayscale version is **25.2215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7470, 0.4468, 0.4449**, and **11.6568, 0.4818, 0.4557** is the 20% darker color. If you saturate the color by 10%, you get **28.7795, 0.4714, 0.4639**, and if you desaturate by 10%, it is **30.1876, 0.4617, 0.4640**.

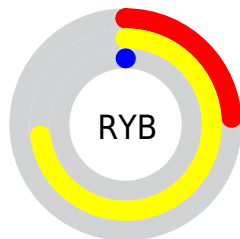
Distribution



Red (73%)

Green (55%)

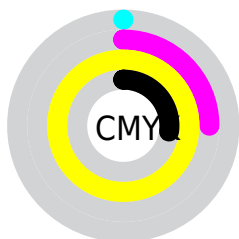
Blue (0%)



Red (24%)

Yellow (73%)

Blue (0%)

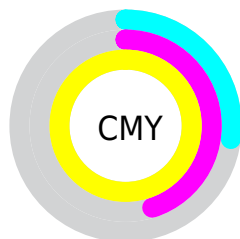


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7795, 0.4714, 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 28.7795, 0.4714, 0.4639 by changing the saturation by 10% instead.


 28.7795, 0.4714,
0.4639


 28.7795, 0.4714,
0.4639


296.1732, 0.3951,
0.4030


 18.9141, 0.4858,
0.4733


 57.7266, 0.4464,
0.4453

 11.6082, 0.5032,
0.4838


 77.5770, 0.4360,
0.4371

 6.4775, 0.5146,
0.4854


 101.5246, 0.4269,
0.4297

 3.1375, 0.5218,
0.4782

 129.9537, 0.4189,
0.4231

 1.2040, 0.5344,
0.4656

 163.2487, 0.4118,
0.4173

 0.0649, 0.7893,
0.2107


 201.7940, 0.4056,


 0.0000, 0.0000,


0.4120


0.0000


 245.9740, 0.4000,
0.4073


 28.7795, 0.4714,
0.4639

 30.1876, 0.4617,
0.4640

 31.6941, 0.4495,
0.4600

 33.3169, 0.4345,
0.4514

 35.0645, 0.4176,
0.4387

 36.9442, 0.3993,
0.4228

■ 38.9625, 0.3807,
0.4049

■ 41.1252, 0.3623,
0.3858

■ 43.4378, 0.3446,
0.3664

■ 45.9052, 0.3280,
0.3473

Harmonies

Analogous

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



28.7795, 0.5189, 0.3900



28.7795, 0.4714, 0.4639



28.7795, 0.3870, 0.5223

Triad

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



28.7795, 0.4714, 0.4639



28.7795, 0.1526, 0.2945



28.7795, 0.3057, 0.2058

Complementary

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



28.7795, 0.4714, 0.4639



5.4618, 0.1580, 0.0886

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.



28.7795, 0.2148, 0.1796



28.7795, 0.4714, 0.4639



28.7795, 0.1400, 0.2152

Square

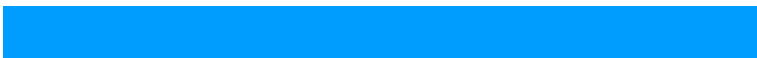
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.7795, 0.4714, 0.4639



28.7795, 0.2036, 0.4159



28.7795, 0.1604, 0.1808



28.7795, 0.4174, 0.2552

Rectangle

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



28.7795, 0.4714, 0.4639



28.7795, 0.3222, 0.5283



28.7795, 0.1604, 0.1808



28.7795, 0.2717, 0.1942

Sweetspot

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



28.7809, 0.4714, 0.4639



73.4329, 0.3632, 0.3868



10.5172, 0.5930, 0.3040



15.4758, 0.3708, 0.3948



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.



28.7809, 0.4714, 0.4639



51.1400, 0.4724, 0.4631



40.1778, 0.3757, 0.5399



10.1146, 0.3270, 0.3461



19.7103, 0.4706, 0.4645



0.7865, 0.4548, 0.4771

Inverse Universe

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



5.4618, 0.1580, 0.0886



9.4675, 0.1573, 0.0862



4.0914, 0.1645, 0.0680



9.0729, 0.2985, 0.3113



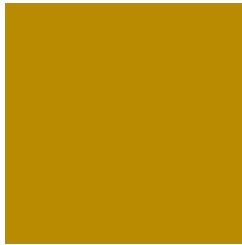
3.8166, 0.1585, 0.0906



0.2356, 0.1729, 0.1425

Previews

White Background



This preview shows how the Yxy color 28.7795, 0.4714, 0.4639 looks on a white background.

Color Contrast Check

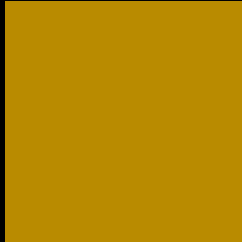
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7795, 0.4714, 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 × Fail

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

Yxy 28.7795, 0.4714, 0.4639

Background



This preview shows how black text looks on a background with the Yxy color 28.7795, 0.4714, 0.4639.



This preview shows how white text looks on a background with the Yxy color 28.7795, 0.4714, 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

28.7795, 0.4714, 0.4639

Protanopia

28.8887, 0.4379, 0.4864

Deuteranopia

28.7861, 0.4708, 0.4632



Tritanopia

28.7711, 0.3756, 0.3155

Trichromacy



Original Color

28.7795, 0.4714, 0.4639

Protanomaly

28.7303, 0.4500, 0.4785

Deuteranomaly

28.7839, 0.4710, 0.4635

Tritanomaly

28.2985, 0.4295, 0.3904

Monochromacy



Original Color

28.7795, 0.4714, 0.4639

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.7351, 0.3857, 0.4112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7795, 0.4714, 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(185, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(185, 139, 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, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 139, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.7795, 0.4714, 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(185, 139, 0) }
```

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

```
.border{ border-color:rgb(185, 139, 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, 139, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 139,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7795, 0.4714, 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(185, 139, 0) }
```

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

```
.background{ background-color: rgb(185,  
139, 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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