

Converting Colors

$Y_{xy}(29.2713, 0.4675, 0.4750)$

Have a look what the booklet for
Yxy(29.2713, 0.4675, 0.4750)
contains.

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Color

$\text{Yxy}(29.2911, 0.4643, 0.4695)$

Conversions

Conversions Part 1

Format	Color
Hex	B68E00
RGB	182, 142, 0
RGB Percent	71%, 56%, 0%
CMY	0.2862, 0.4431, 0.9995
CMYK	0.00, 0.22, 1.00, 0.29
HSL	47°, 100%, 36%
HSV	47°, 100%, 71%
XYZ	28.9667, 29.2911, 4.1301
YIQ	137.7720, 69.4220, -35.6820

Conversions

Conversions Part 2

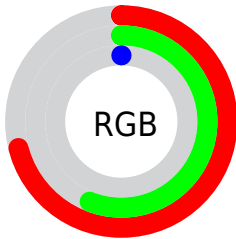
Format	Color
R_{YB}	51, 182, 0
Decimal	11963904
CIE Lab	61.04, 4.42, 65.62
CIE LCh	61, 65.773, 86.148
Yxy	29.2911, 0.4643, 0.4695
Android (android.graphics.Color)	4290153984 (0xFFB68E00)
YUV	137.7720, -67.9216, 38.7880
Hunter-Lab	54.1213, 0.8243, 33.3604

Details

The Yxy color **29.2911, 0.4643, 0.4695** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.9047, 0.1565, 0.0834**, and the grayscale version is **25.5743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3624, 0.4411, 0.4495**, and **11.9394, 0.4716, 0.4638** is the 20% darker color. If you saturate the color by 10%, you get **29.2846, 0.4643, 0.4695**, and if you desaturate by 10%, it is **30.5499, 0.4556, 0.4689**.

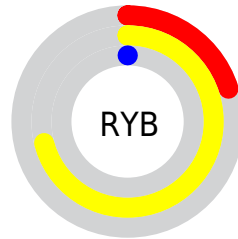
Distribution



Red (71%)

Green (56%)

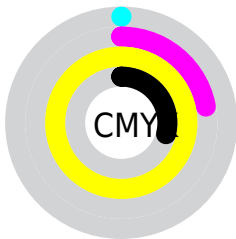
Blue (0%)



Red (20%)

Yellow (71%)

Blue (0%)

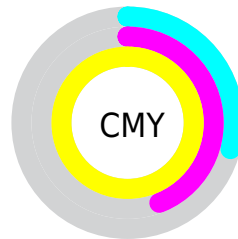


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2911, 0.4643, 0.4695 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 29.2911, 0.4643, 0.4695 by changing the saturation by 10% instead.


 29.2911, 0.4643,
0.4695


 29.2911, 0.4643,
0.4695

298.5860, 0.3920,
0.4050

 19.3011, 0.4776,
0.4802


 58.5393, 0.4408,
0.4494

 11.8881, 0.4932,
0.4919

 78.5663, 0.4310,
0.4406


 6.6675, 0.5035,
0.4965


 102.7077, 0.4223,
0.4329

 3.2550, 0.5078,
0.4922

 131.3481, 0.4147,
0.4259

 1.2663, 0.5152,
0.4848

 164.8717, 0.4080,
0.4198

 0.1149, 0.6539,
0.3461


 203.6629, 0.4021,


 0.0000, 0.0000,


0.4143

0.0000

 248.1062, 0.3968,
0.4094


 29.2911, 0.4643,
0.4695


 29.2911, 0.4643,
0.4695


 29.2846, 0.4643,
0.4695

 30.5499, 0.4556,
0.4689

 31.8918, 0.4445,
0.4644

 33.3341, 0.4307,
0.4553

 34.8848, 0.4147,
0.4421

 36.5506, 0.3974,
0.4258

■ 38.3375, 0.3794,
0.4073

■ 40.2510, 0.3615,
0.3876

■ 42.2961, 0.3442,
0.3676

■ 44.4774, 0.3278,
0.3479

Harmonies

Analogous

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



29.2911, 0.5156, 0.3963



29.2911, 0.4643, 0.4695



29.2911, 0.3785, 0.5238

Triad

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



29.2911, 0.4643, 0.4695



29.2911, 0.1511, 0.2860



29.2911, 0.3152, 0.2100

Complementary

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



29.2911, 0.4643, 0.4695



4.9047, 0.1565, 0.0834

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.



29.2911, 0.2220, 0.1817



29.2911, 0.4643, 0.4695



29.2911, 0.1415, 0.2114

Square

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



29.2911, 0.4643, 0.4695



29.2911, 0.1984, 0.4041



29.2911, 0.1647, 0.1804



29.2911, 0.4259, 0.2608

Rectangle

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



29.2911, 0.4643, 0.4695



29.2911, 0.3138, 0.5243



29.2911, 0.1647, 0.1804



29.2911, 0.2806, 0.1978

Sweetspot

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



29.2925, 0.4643, 0.4695



72.7615, 0.3625, 0.3888



10.1200, 0.5977, 0.3067



15.7436, 0.3700, 0.3971



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.



29.2925, 0.4643, 0.4695



52.7224, 0.4652, 0.4688



38.4878, 0.3730, 0.5420



10.1591, 0.3269, 0.3467



20.7794, 0.4637, 0.4700



0.8168, 0.4502, 0.4808

Inverse Universe

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



4.9047, 0.1565, 0.0834



8.5939, 0.1558, 0.0810



4.0239, 0.1664, 0.0691



9.0313, 0.2985, 0.3106



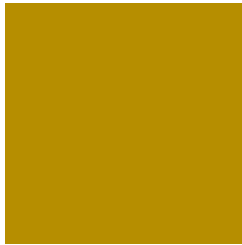
3.5415, 0.1570, 0.0850



0.2180, 0.1706, 0.1342

Previews

White Background



This preview shows how the Yxy color 29.2911, 0.4643, 0.4695 looks on a white background.

Color Contrast Check

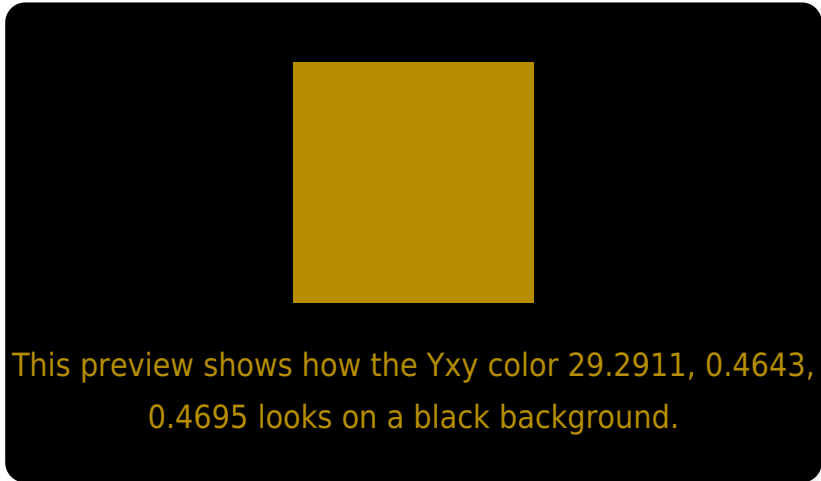
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 29.2911, 0.4643, 0.4695

Background



This preview shows how black text looks on a background with the Yxy color 29.2911, 0.4643, 0.4695.



This preview shows how white text looks on a background with the Yxy color 29.2911, 0.4643, 0.4695.

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

29.2911, 0.4643, 0.4695

Protanopia

29.4150, 0.4391, 0.4860

Deuteranopia

29.3429, 0.4702, 0.4611



Tritanopia

29.2743, 0.3675, 0.3153

Trichromacy



Original Color

29.2911, 0.4643, 0.4695

Protanomaly

29.3416, 0.4475, 0.4805

Deuteranomaly

29.3772, 0.4676, 0.4646

Tritanomaly

28.7856, 0.4216, 0.3928

Monochromacy



Original Color

29.2911, 0.4643, 0.4695

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.0398, 0.3840, 0.4111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2911, 0.4643, 0.4695 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(182, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(182, 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(182, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.2911, 0.4643, 0.4695 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(182, 142, 0) }
```

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

```
.border{ border-color:rgb(182, 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(182, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(182, 142,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2911, 0.4643, 0.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 142, 0) }
```

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

```
.background{ background-color: rgb(182,  
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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