

Converting Colors

$Y_{xy}(28.2689, 0.4785, 0.4862)$

Have a look what the booklet for
Yxy(28.2689, 0.4785, 0.4862)
contains.

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Color

$\text{Yxy}(28.4595, 0.4648, 0.4691)$

Conversions

Conversions Part 1

Format	Color
Hex	B48C00
RGB	180, 140, 0
RGB Percent	71%, 55%, 0%
CMY	0.2942, 0.4509, 0.9995
CMYK	0.00, 0.22, 1.00, 0.29
HSL	47°, 100%, 35%
HSV	47°, 100%, 71%
XYZ	28.1986, 28.4595, 4.0102
YIQ	136.0000, 68.7800, -35.0600

Conversions

Conversions Part 2

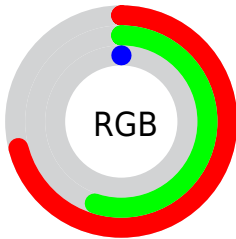
Format	Color
R_{YB}	51, 180, 0
Decimal	11832320
CIE _{Lab}	60.30, 4.59, 65.01
CIE _{LCh}	60, 65.174, 85.960
Yxy	28.4595, 0.4648, 0.4691
Android (android.graphics.Color)	4290022400 (0xFFB48C00)
YUV	136.0000, -67.0480, 38.5880
Hunter-Lab	53.3474, 0.9943, 32.8863

Details

The Yxy color **28.4595, 0.4648, 0.4691** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.8196, 0.1567, 0.0839**, and the grayscale version is **24.8630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1201, 0.4411, 0.4487**, and **11.4499, 0.4725, 0.4631** is the 20% darker color. If you saturate the color by 10%, you get **28.4528, 0.4648, 0.4691**, and if you desaturate by 10%, it is **29.6952, 0.4560, 0.4685**.

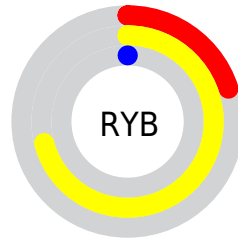
Distribution



Red (71%)

Green (55%)

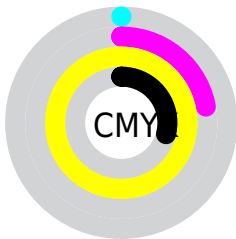
Blue (0%)



Red (20%)

Yellow (71%)

Blue (0%)

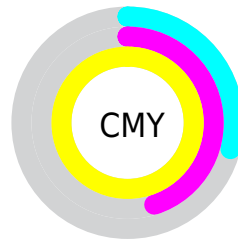


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4595, 0.4648, 0.4691 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 28.4595, 0.4648, 0.4691 by changing the saturation by 10% instead.

 28.4595, 0.4648,
0.4691


 28.4595, 0.4648,
0.4691


294.6561, 0.3919,
0.4045


 18.6723, 0.4783,
0.4798


 57.2172, 0.4410,
0.4489


 11.4337, 0.4946,
0.4919


 76.9566, 0.4311,
0.4402

 6.3594, 0.5044,
0.4956


 100.7821, 0.4223,
0.4324

 3.0648, 0.5090,
0.4910

 129.0782, 0.4147,
0.4254

 1.1657, 0.5171,
0.4829

 162.2292, 0.4079,
0.4193

 0.0334, 0.8116,
0.1884

 200.6196, 0.4020,

 0.0000, 0.0000,

0.4138

0.0000

244.6338, 0.3966,
0.4089

28.4595, 0.4648,
0.4691

28.4595, 0.4648,
0.4691

28.4528, 0.4648,
0.4691

29.6952, 0.4560,
0.4685

31.0128, 0.4448,
0.4640

32.4290, 0.4309,
0.4549

33.9516, 0.4148,
0.4417

35.5872, 0.3974,
0.4255

■ 37.3418, 0.3794,
0.4070

■ 39.2205, 0.3615,
0.3874

■ 41.2282, 0.3442,
0.3675

■ 43.3696, 0.3278,
0.3478

Harmonies

Analogous

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



28.4595, 0.5159, 0.3959



28.4595, 0.4648, 0.4691



28.4595, 0.3791, 0.5237

Triad

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



28.4595, 0.4648, 0.4691



28.4595, 0.1512, 0.2866



28.4595, 0.3145, 0.2097

Complementary

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



28.4595, 0.4648, 0.4691



4.8196, 0.1567, 0.0839

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.



28.4595, 0.2215, 0.1816



28.4595, 0.4648, 0.4691



28.4595, 0.1414, 0.2117

Square

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



28.4595, 0.4648, 0.4691



28.4595, 0.1988, 0.4049



28.4595, 0.1644, 0.1804



28.4595, 0.4253, 0.2604

Rectangle

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



28.4595, 0.4648, 0.4691



28.4595, 0.3144, 0.5246



28.4595, 0.1644, 0.1804



28.4595, 0.2799, 0.1975

Sweetspot

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



28.4609, 0.4648, 0.4691



70.9234, 0.3625, 0.3886



9.8720, 0.5975, 0.3066



15.0188, 0.3699, 0.3968



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



28.4609, 0.4648, 0.4691



51.2383, 0.4658, 0.4684



37.5443, 0.3730, 0.5420



9.5798, 0.3268, 0.3466



19.9647, 0.4642, 0.4696



0.7075, 0.4494, 0.4814

Inverse Universe

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



4.8196, 0.1567, 0.0839



8.4437, 0.1560, 0.0814



3.9278, 0.1665, 0.0691



8.5264, 0.2985, 0.3108



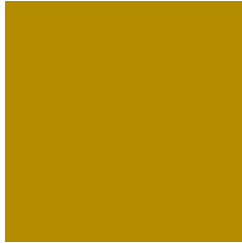
3.4443, 0.1571, 0.0856



0.1954, 0.1718, 0.1385

Previews

White Background



This preview shows how the Yxy color 28.4595, 0.4648, 0.4691 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 28.4595, 0.4648, 0.4691 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 28.4595, 0.4648, 0.4691

Background



This preview shows how black text looks on a background with the Yxy color 28.4595, 0.4648, 0.4691.



This preview shows how white text looks on a background with the Yxy color 28.4595, 0.4648, 0.4691.

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

28.4595, 0.4648, 0.4691

Protanopia

28.4700, 0.4382, 0.4866

Deuteranopia

28.3870, 0.4700, 0.4615



Tritanopia

28.4235, 0.3683, 0.3152

Trichromacy



Original Color

28.4595, 0.4648, 0.4691

Protanomaly

28.5057, 0.4478, 0.4802

Deuteranomaly

28.5457, 0.4682, 0.4641

Tritanomaly

27.9618, 0.4220, 0.3921

Monochromacy



Original Color

28.4595, 0.4648, 0.4691

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.2548, 0.3839, 0.4105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4595, 0.4648, 0.4691 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(180, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 140, 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(180, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 140, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.4595, 0.4648, 0.4691 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(180, 140, 0) }
```

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

```
.border{ border-color:rgb(180, 140, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(180, 140, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 140,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4595, 0.4648, 0.4691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 140, 0) }
```

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

```
.background{ background-color: rgb(180,  
140, 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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