

Converting Colors

$Y_{xy}(28.6807, 0.4699, 0.4656)$

Have a look what the booklet for
Yxy(28.6807, 0.4699, 0.4656)
contains.

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Color

$Yxy(28.6556, 0.4703, 0.4648)$

Conversions

Conversions Part 1

Format	Color
Hex	B88B00
RGB	184, 139, 0
RGB Percent	72%, 55%, 0%
CMY	0.2785, 0.4548, 1.0000
CMYK	0.00, 0.24, 1.00, 0.28
HSL	45°, 100%, 36%
HSV	45°, 100%, 72%
XYZ	28.9947, 28.6556, 4.0012
YIQ	136.6090, 71.4390, -33.6890

Conversions

Conversions Part 2

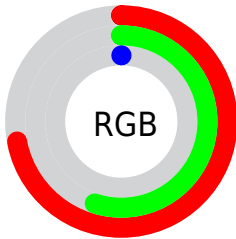
Format	Color
RYB	60, 184, 0
Decimal	12094208
CIELab	60.48, 6.95, 65.36
CIELCh	60, 65.732, 83.934
Yxy	28.6556, 0.4703, 0.4648
Android (android.graphics.Color)	4290284288 (0xFFB88B00)
YUV	136.6090, -67.3482, 41.5619
Hunter-Lab	53.5309, 3.0043, 33.0400

Details

The Yxy color **28.6556, 0.4703, 0.4648** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **5.3328, 0.1577, 0.0877**, and the grayscale version is **25.1001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3873, 0.4452, 0.4459**, and **11.5804, 0.4803, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **28.6571, 0.4703, 0.4648**, and if you desaturate by 10%, it is **30.0311, 0.4607, 0.4647**.

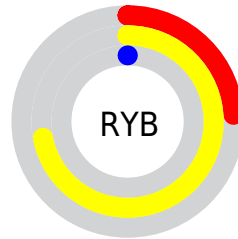
Distribution



Red (72%)

Green (55%)

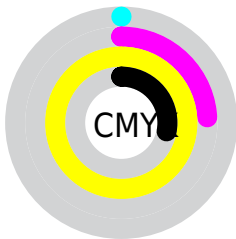
Blue (0%)



Red (24%)

Yellow (72%)

Blue (0%)

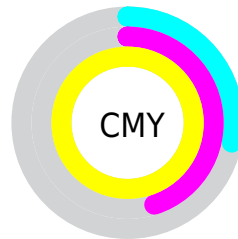


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6556, 0.4703, 0.4648 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 28.6556, 0.4703, 0.4648 by changing the saturation by 10% instead.

 28.6556, 0.4703,
0.4648


 28.6556, 0.4703,
0.4648


295.5865, 0.3945,
0.4033

 18.8204, 0.4846,
0.4745


 57.5295, 0.4454,
0.4459


 11.5406, 0.5018,
0.4852


 77.3369, 0.4351,
0.4376

 6.4317, 0.5129,
0.4871

 101.2373, 0.4261,
0.4302

 3.1093, 0.5197,
0.4803

 129.6150, 0.4181,
0.4235

 1.1891, 0.5316,
0.4684

 162.8543, 0.4111,
0.4176

 0.0527, 0.8064,
0.1936

 201.3398, 0.4049,

 0.0000, 0.0000,

0.4123


0.0000


 245.4557, 0.3994,
0.4075


 28.6556, 0.4703,
0.4648


 28.6556, 0.4703,
0.4648


 28.6571, 0.4703,
0.4648

 30.0311, 0.4607,
0.4647

 31.5016, 0.4487,
0.4607

 33.0849, 0.4339,
0.4520

 34.7895, 0.4171,
0.4392

 36.6223, 0.3990,
0.4233

■ 38.5899, 0.3805,
0.4053

■ 40.6979, 0.3622,
0.3861

■ 42.9517, 0.3446,
0.3666

■ 45.3561, 0.3280,
0.3474

Harmonies

Analogous

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



28.6556, 0.5184, 0.3910



28.6556, 0.4703, 0.4648



28.6556, 0.3856, 0.5226

Triad

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



28.6556, 0.4703, 0.4648



28.6556, 0.1523, 0.2931



28.6556, 0.3072, 0.2064

Complementary

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



28.6556, 0.4703, 0.4648



5.3328, 0.1577, 0.0877

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.



28.6556, 0.2159, 0.1799



28.6556, 0.4703, 0.4648



28.6556, 0.1402, 0.2146

Square

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



28.6556, 0.4703, 0.4648



28.6556, 0.2028, 0.4140



28.6556, 0.1611, 0.1807



28.6556, 0.4187, 0.2560

Rectangle

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



28.6556, 0.4703, 0.4648



28.6556, 0.3209, 0.5278



28.6556, 0.1611, 0.1807



28.6556, 0.2730, 0.1947

Sweetspot

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



28.6571, 0.4703, 0.4648



73.6029, 0.3631, 0.3871



10.3841, 0.5929, 0.3040



15.5169, 0.3707, 0.3952



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.



28.6571, 0.4703, 0.4648



51.5725, 0.4713, 0.4640



39.6709, 0.3758, 0.5398



10.1215, 0.3270, 0.3462



19.8720, 0.4695, 0.4654



0.7911, 0.4541, 0.4777

Inverse Universe

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



5.3328, 0.1577, 0.0877



9.3576, 0.1570, 0.0853



4.0402, 0.1645, 0.0680



9.0665, 0.2985, 0.3112



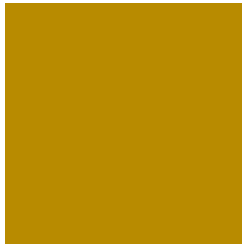
3.7719, 0.1583, 0.0897



0.2329, 0.1726, 0.1412

Previews

White Background



This preview shows how the Yxy color 28.6556, 0.4703, 0.4648 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 28.6556, 0.4703, 0.4648 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 28.6556, 0.4703, 0.4648

Background



This preview shows how black text looks on a background with the Yxy color 28.6556, 0.4703, 0.4648.



This preview shows how white text looks on a background with the Yxy color 28.6556, 0.4703, 0.4648.

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

28.6556, 0.4703, 0.4648

Protanopia

28.8887, 0.4379, 0.4864

Deuteranopia

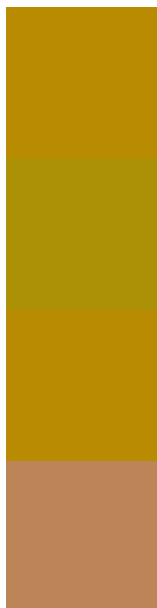
28.7905, 0.4704, 0.4627



Tritanopia

28.6410, 0.3744, 0.3154

Trichromacy



Original Color

28.6556, 0.4703, 0.4648

Protanomaly

28.7303, 0.4500, 0.4785

Deuteranomaly

28.7861, 0.4708, 0.4632

Tritanomaly

28.1710, 0.4284, 0.3907

Monochromacy



Original Color

28.6556, 0.4703, 0.4648

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 28.6556, 0.4703, 0.4648 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(184, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 139, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.6556, 0.4703, 0.4648 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(184, 139, 0) }
```

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

```
.border{ border-color:rgb(184, 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(184, 139, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 139,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6556, 0.4703, 0.4648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 139, 0) }
```

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

```
.background{ background-color: rgb(184,  
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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