

Converting Colors

$Y_{xy}(28.1500, 0.4598, 0.4731)$

Have a look what the booklet for
Yxy(28.1500, 0.4598, 0.4731)
contains.

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Color

Yxy(28.2799, 0.4593, 0.4735)

Conversions

Conversions Part 1

Format	Color
Hex	B08D00
RGB	176, 141, 0
RGB Percent	69%, 55%, 0%
CMY	0.3098, 0.4471, 0.9999
CMYK	0.00, 0.20, 1.00, 0.31
HSL	48°, 100%, 35%
HSV	48°, 100%, 69%
XYZ	27.4318, 28.2799, 4.0135
YIQ	135.3910, 66.1210, -36.4310

Conversions

Conversions Part 2

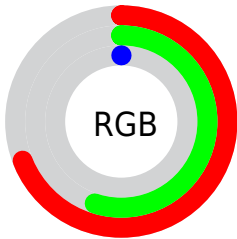
Format	Color
RYB	44, 176, 0
Decimal	11570432
CIELab	60.14, 2.23, 64.72
CIElCh	60, 64.755, 88.023
Yxy	28.2799, 0.4593, 0.4735
Android (android.graphics.Color)	4289760512 (0xFFB08D00)
YUV	135.3910, -66.7478, 35.6141
Hunter-Lab	53.1788, -0.9855, 32.7504

Details

The Yxy color **28.2799, 0.4593, 0.4735** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.3405, 0.1556, 0.0800**, and the grayscale version is **24.6193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8714, 0.4369, 0.4516**, and **11.4041, 0.4660, 0.4682** is the 20% darker color. If you saturate the color by 10%, you get **28.2790, 0.4593, 0.4735**, and if you desaturate by 10%, it is **29.3729, 0.4513, 0.4724**.

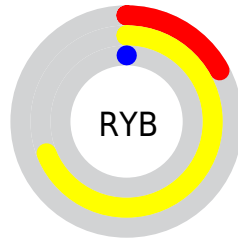
Distribution



Red (69%)

Green (55%)

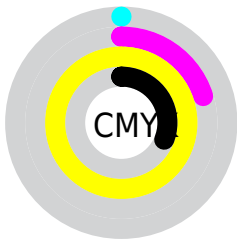
Blue (0%)



Red (17%)

Yellow (69%)

Blue (0%)

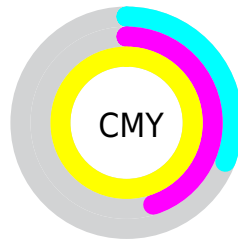


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2799, 0.4593, 0.4735 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 28.2799, 0.4593, 0.4735 by changing the saturation by 10% instead.


 28.2799, 0.4593,
0.4735


 28.2799, 0.4593,
0.4735


293.8020, 0.3893,
0.4058


 18.5368, 0.4721,
0.4852


 56.9310, 0.4366,
0.4520


 11.3360, 0.4874,
0.4988


 76.6078, 0.4270,
0.4428


 6.2933, 0.4957,
0.5043


 100.3645, 0.4187,
0.4346

 3.0243, 0.4980,
0.5020

 128.5856, 0.4113,
0.4274

 1.1444, 0.5020,
0.4980

 161.6556, 0.4048,
0.4210

 0.0156, 0.8165,
0.1835


 199.9587, 0.3990,


 0.0000, 0.0000,


0.4154


0.0000

 243.8793, 0.3939,
0.4103


 28.2799, 0.4593,
0.4735

 28.2799, 0.4593,
0.4735


 28.2790, 0.4593,
0.4735

 29.3729, 0.4513,
0.4724

 30.5354, 0.4409,
0.4674

 31.7836, 0.4279,
0.4580

 33.1248, 0.4127,
0.4445

 34.5650, 0.3960,
0.4279

■ 36.1098, 0.3785,
0.4091

■ 37.7640, 0.3610,
0.3890

■ 39.5322, 0.3440,
0.3686

■ 41.4186, 0.3278,
0.3484

Harmonies

Analogous

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



28.2799, 0.5133, 0.4008



28.2799, 0.4593, 0.4735



28.2799, 0.3725, 0.5247

Triad

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



28.2799, 0.4593, 0.4735



28.2799, 0.1499, 0.2801



28.2799, 0.3220, 0.2129

Complementary

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



28.2799, 0.4593, 0.4735



4.3405, 0.1556, 0.0800

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.



28.2799, 0.2271, 0.1831



28.2799, 0.4593, 0.4735



28.2799, 0.1425, 0.2088

Square

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



28.2799, 0.4593, 0.4735



28.2799, 0.1947, 0.3959



28.2799, 0.1676, 0.1800



28.2799, 0.4319, 0.2648

Rectangle

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



28.2799, 0.4593, 0.4735



28.2799, 0.3079, 0.5213



28.2799, 0.1676, 0.1800



28.2799, 0.2869, 0.2002

Sweetspot

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



28.2813, 0.4593, 0.4735



68.3111, 0.3620, 0.3901



9.3552, 0.6067, 0.3116



14.5326, 0.3692, 0.3985



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



28.2813, 0.4593, 0.4735



50.9535, 0.4601, 0.4729



35.2831, 0.3675, 0.5464



9.6137, 0.3268, 0.3471



20.8287, 0.4588, 0.4739



0.7286, 0.4459, 0.4841

Inverse Universe

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



4.3405, 0.1556, 0.0800



7.6129, 0.1549, 0.0777



3.8882, 0.1705, 0.0713



8.4949, 0.2985, 0.3102



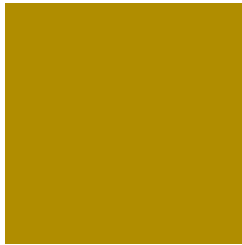
3.2510, 0.1560, 0.0815



0.1825, 0.1698, 0.1313

Previews

White Background



This preview shows how the Yxy color 28.2799, 0.4593, 0.4735 looks on a white background.

Color Contrast Check

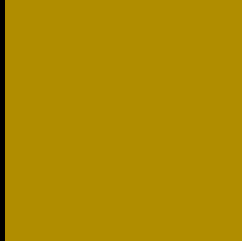
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2799, 0.4593, 0.4735 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 28.2799, 0.4593, 0.4735

Background



This preview shows how black text looks on a background with the Yxy color 28.2799, 0.4593, 0.4735.



This preview shows how white text looks on a background with the Yxy color 28.2799, 0.4593, 0.4735.

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

28.2799, 0.4593, 0.4735

Protanopia

28.4678, 0.4384, 0.4868

Deuteranopia

28.3938, 0.4694, 0.4608



Tritanopia

28.2230, 0.3621, 0.3149

Trichromacy



Original Color

28.2799, 0.4593, 0.4735

Protanomaly

28.2823, 0.4458, 0.4822

Deuteranomaly

28.3065, 0.4657, 0.4653

Tritanomaly

27.7694, 0.4155, 0.3934

Monochromacy



Original Color

28.2799, 0.4593, 0.4735

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.0472, 0.3825, 0.4129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2799, 0.4593, 0.4735 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(176, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 141, 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(176, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 141, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.2799, 0.4593, 0.4735 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(176, 141, 0) }
```

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

```
.border{ border-color:rgb(176, 141, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 141, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 141,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2799, 0.4593, 0.4735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 141, 0) }
```

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

```
.background{ background-color: rgb(176,  
141, 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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