

Converting Colors

$Yxy(28.1246, 0.4707, 0.4631)$

Have a look what the booklet for
Yxy(28.1246, 0.4707, 0.4631)
contains.

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Color

$Yxy(28.2508, 0.4701, 0.4638)$

Conversions

Conversions Part 1

Format	Color
Hex	B78A03
RGB	183, 138, 3
RGB Percent	72%, 54%, 1%
CMY	0.2823, 0.4588, 0.9887
CMYK	0.00, 0.25, 0.98, 0.28
HSL	45°, 97%, 36%
HSV	45°, 98%, 72%
XYZ	28.6345, 28.2508, 4.0263
YIQ	136.0650, 70.1550, -32.4450

Conversions

Conversions Part 2

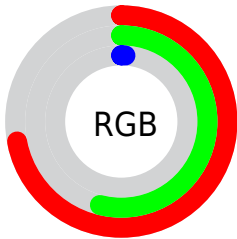
Format	Color
RYB	63, 183, 3
Decimal	12028419
CIELab	60.11, 7.11, 64.60
CIELCh	60, 64.991, 83.722
Yxy	28.2508, 0.4701, 0.4638
Android (android.graphics.Color)	4290218499 (0xFFB78A03)
YUV	136.0650, -65.6010, 41.1620
Hunter-Lab	53.1515, 3.1490, 32.7148

Details

The Yxy color **28.2508, 0.4701, 0.4638** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **5.5429, 0.1592, 0.0915**, and the grayscale version is **24.8734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7842, 0.4447, 0.4449**, and **11.5047, 0.4789, 0.4580** is the 20% darker color. If you saturate the color by 10%, you get **28.0398, 0.4716, 0.4637**, and if you desaturate by 10%, it is **29.6407, 0.4601, 0.4635**.

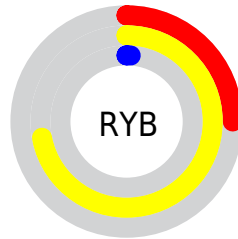
Distribution



Red (72%)

Green (54%)

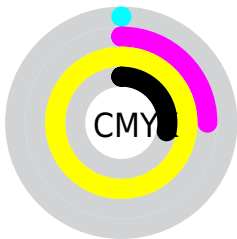
Blue (1%)



Red (25%)

Yellow (72%)

Blue (1%)

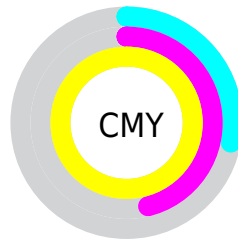


Cyan (0%)

Magenta (25%)

Yellow (98%)

Black (28%)



Cyan (28%)


Magenta (46%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2508, 0.4701, 0.4638 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 28.2508, 0.4701, 0.4638 by changing the saturation by 10% instead.


 28.2508, 0.4701,
0.4638


 28.2508, 0.4701,
0.4638


293.6634, 0.3940,
0.4024


 18.5148, 0.4846,
0.4735


 56.8846, 0.4450,
0.4449

 11.3202, 0.5021,
0.4843


 76.5512, 0.4347,
0.4366

 6.2826, 0.5136,
0.4864


 100.2968, 0.4256,
0.4292

 3.0177, 0.5208,
0.4792

 128.5058, 0.4176,
0.4226

 1.1410, 0.5332,
0.4668

 161.5625, 0.4106,
0.4167


 0.0127, 0.9360,
0.0640


 199.8514, 0.4044,


 0.0000, 0.0000,


0.4114

0.0000


 243.7569, 0.3989,
0.4067


 28.2508, 0.4701,
0.4638


 28.2508, 0.4701,
0.4638


 28.0398, 0.4716,
0.4637

 29.6407, 0.4601,
0.4635

 31.1314, 0.4474,
0.4587

 32.7375, 0.4320,
0.4494

 34.4668, 0.4148,
0.4362

 36.3264, 0.3964,
0.4199

■ 38.3225, 0.3777,
0.4018

■ 40.4606, 0.3594,
0.3826

■ 42.7460, 0.3419,
0.3633

■ 45.1836, 0.3255,
0.3444

Harmonies

Analogous

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



28.2508, 0.5174, 0.3904



28.2508, 0.4701, 0.4638



28.2508, 0.3861, 0.5212

Triad

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



28.2508, 0.4701, 0.4638



28.2508, 0.1534, 0.2942



28.2508, 0.3065, 0.2068

Complementary

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



28.2508, 0.4701, 0.4638



5.5429, 0.1592, 0.0915

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.



28.2508, 0.2160, 0.1805



28.2508, 0.4701, 0.4638



28.2508, 0.1410, 0.2157

Square

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



28.2508, 0.4701, 0.4638



28.2508, 0.2040, 0.4143



28.2508, 0.1616, 0.1815



28.2508, 0.4173, 0.2561

Rectangle

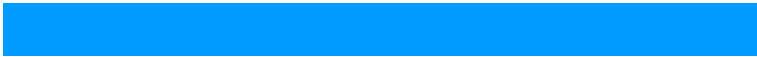
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.2508, 0.4701, 0.4638



28.2508, 0.3217, 0.5265



28.2508, 0.1616, 0.1815



28.2508, 0.2726, 0.1952

Sweetspot

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



28.2522, 0.4701, 0.4638



71.6417, 0.3631, 0.3866



10.3437, 0.5882, 0.3028



15.4661, 0.3708, 0.3947



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.



28.2522, 0.4701, 0.4638



49.8290, 0.4726, 0.4629



39.2785, 0.3761, 0.5386



10.1130, 0.3270, 0.3461



19.6720, 0.4709, 0.4643



0.7854, 0.4550, 0.4770

Inverse Universe

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



5.5429, 0.1592, 0.0915



9.2775, 0.1574, 0.0865



4.1082, 0.1661, 0.0696



9.0744, 0.2985, 0.3113



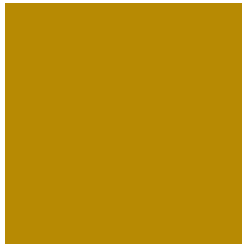
3.8274, 0.1586, 0.0908



0.2362, 0.1730, 0.1428

Previews

White Background



This preview shows how the Yxy color 28.2508, 0.4701, 0.4638 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 28.2508, 0.4701, 0.4638 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 28.2508, 0.4701, 0.4638

Background



This preview shows how black text looks on a background with the Yxy color 28.2508, 0.4701, 0.4638.



This preview shows how white text looks on a background with the Yxy color 28.2508, 0.4701, 0.4638.

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

28.2508, 0.4701, 0.4638

Protanopia

28.4722, 0.4380, 0.4863

Deuteranopia

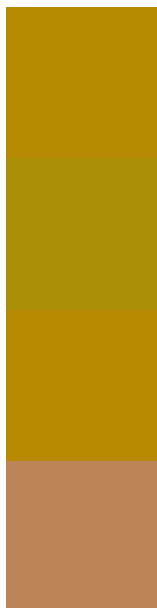
28.3783, 0.4707, 0.4625



Tritanopia

28.2205, 0.3748, 0.3154

Trichromacy



Original Color

28.2508, 0.4701, 0.4638

Protanomaly

28.3182, 0.4500, 0.4781

Deuteranomaly

28.3761, 0.4709, 0.4627

Tritanomaly

27.7886, 0.4270, 0.3884

Monochromacy



Original Color

28.2508, 0.4701, 0.4638

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.3682, 0.3841, 0.4086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2508, 0.4701, 0.4638 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(183, 138, 3)` looks like.

```
.text, #text, p{  
    color:rgb(183, 138, 3)  
}
```

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(183, 138, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 138, 3) }
```

Border

The CSS property to change the border of an element to Yxy 28.2508, 0.4701, 0.4638 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(183, 138, 3) }
```

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

```
.border{ border-color:rgb(183, 138, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 138, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 138, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 138, 3);  
box-shadow:4px 4px 4px 4px rgb(183, 138,  
3) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2508, 0.4701, 0.4638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 138, 3) }
```

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

```
.background{ background-color: rgb(183,  
138, 3) }
```

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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