

Converting Colors

$Y_{xy}(28.7463, 0.4299, 0.4697)$

Have a look what the booklet for
Yxy(28.7463, 0.4299, 0.4697)
contains.

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Color

$\text{Yxy}(28.8180, 0.4299, 0.4695)$

Conversions

Conversions Part 1

Format	Color
Hex	A69228
RGB	166, 146, 40
RGB Percent	65%, 57%, 16%
CMY	0.3490, 0.4274, 0.8433
CMYK	0.00, 0.12, 0.76, 0.35
HSL	50°, 61%, 40%
HSV	50°, 76%, 65%
XYZ	26.3873, 28.8180, 6.1748
YIQ	139.8960, 45.9460, -28.7260

Conversions

Conversions Part 2

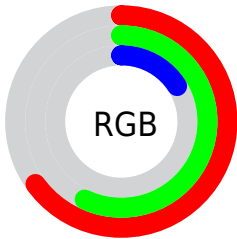
Format	Color
RYB	64, 166, 40
Decimal	10916392
CIELab	60.62, -4.08, 55.26
CIELCh	61, 55.416, 94.225
Yxy	28.8180, 0.4299, 0.4695
Android (android.graphics.Color)	4289106472 (0xFFA69228)
YUV	139.8960, -49.2487, 22.8932
Hunter-Lab	53.6824, -6.2033, 30.7578

Details

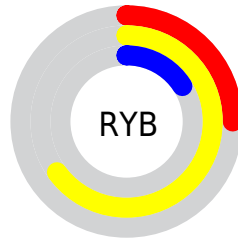
The Yxy color **28.8180, 0.4299, 0.4695** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.4300, 0.1780, 0.1222**, and the grayscale version is **26.3636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9462, 0.4104, 0.4456**, and **11.6807, 0.4424, 0.4869** is the 20% darker color. If you saturate the color by 10%, you get **27.9271, 0.4400, 0.4770**, and if you desaturate by 10%, it is **29.7788, 0.4173, 0.4578**.

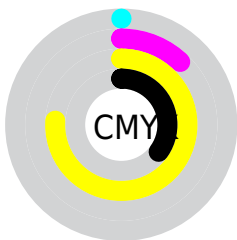
Distribution



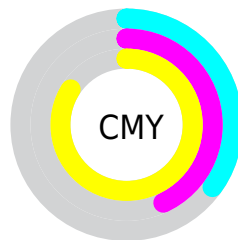
- Red (65%)
- Green (57%)
- Blue (16%)



- Red (25%)
- Yellow (65%)
- Blue (16%)



- Cyan (0%)
- Magenta (12%)
- Yellow (76%)
- Black (35%)





- Cyan (35%)
- Magenta (43%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8180, 0.4299, 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 28.8180, 0.4299, 0.4695 by changing the saturation by 10% instead.

 28.8180, 0.4299,
0.4695


 28.8180, 0.4299,
0.4695


 296.3553, 0.3726,
0.3987


 18.9432, 0.4414,
0.4848


 57.7878, 0.4105,
0.4449


 11.6292, 0.4535,
0.5019


 77.6516, 0.4027,
0.4352


 6.4917, 0.4719,
0.5281


 101.6138, 0.3959,
0.4269

 3.1463, 0.4677,
0.5323

 130.0588, 0.3900,
0.4197

 1.2086, 0.4602,
0.5398

 163.3711, 0.3848,
0.4134

 0.0687, 0.0000,
1.0000

 201.9350, 0.3802,

 0.0000, 0.0000,

0.4079

0.0000

246.1349, 0.3762,
0.4030

■ 28.8180, 0.4299,
0.4695

■ 28.8180, 0.4299,
0.4695

■ 27.9271, 0.4400,
0.4770

■ 29.7788, 0.4173,
0.4578

■ 27.0946, 0.4474,
0.4801

■ 30.8111, 0.4026,
0.4423

■ 26.7660, 0.4501,
0.4808

■ 31.9211, 0.3866,
0.4241

■ 33.1133, 0.3700,
0.4040

■ 34.3916, 0.3533,
0.3829

■ 35.7597, 0.3370,
0.3617

■ 37.2210, 0.3215,
0.3409

■ 38.7788, 0.3069,
0.3210

■ 40.4360, 0.2935,
0.3022

Harmonies

Analogous

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



28.8180, 0.4819, 0.4104



28.8180, 0.4299, 0.4695



28.8180, 0.3513, 0.4977

Triad

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



28.8180, 0.4299, 0.4695



28.8180, 0.1658, 0.2730



28.8180, 0.3411, 0.2353

Complementary

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



28.8180, 0.4299, 0.4695



6.4300, 0.1780, 0.1222

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.



28.8180, 0.2539, 0.2038



28.8180, 0.4299, 0.4695



28.8180, 0.1644, 0.2172

Square

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



28.8180, 0.4299, 0.4695



28.8180, 0.2001, 0.3647



28.8180, 0.1936, 0.1964



28.8180, 0.4316, 0.2855

Rectangle

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



28.8180, 0.4299, 0.4695



28.8180, 0.2945, 0.4806



28.8180, 0.1936, 0.1964



28.8180, 0.3100, 0.2224

Sweetspot

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



28.8194, 0.4299, 0.4695



63.0229, 0.3491, 0.3776



9.9582, 0.5298, 0.3045



13.9146, 0.3549, 0.3851



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.8194, 0.4299, 0.4695



49.6529, 0.4453, 0.4795



31.7097, 0.3661, 0.5200



8.5681, 0.3266, 0.3479



20.8118, 0.4498, 0.4811



0.5589, 0.4383, 0.4902

Inverse Universe

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



6.4300, 0.1780, 0.1222



7.4904, 0.1592, 0.0855



6.0603, 0.2065, 0.1126



7.4857, 0.2986, 0.3094



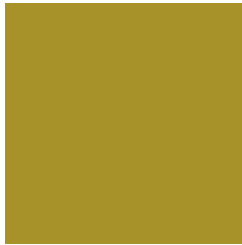
2.7663, 0.1543, 0.0755



0.1222, 0.1679, 0.1243

Previews

White Background



This preview shows how the Yxy color 28.8180, 0.4299, 0.4695 looks on a white background.

Color Contrast Check

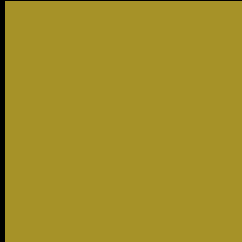
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 28.8180, 0.4299, 0.4695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

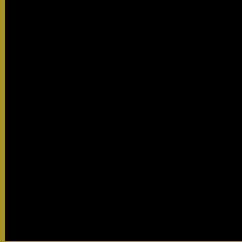
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.8180, 0.4299, 0.4695

Background



This preview shows how black text looks on a background with the Yxy color 28.8180, 0.4299, 0.4695.



This preview shows how white text looks on a background with the Yxy color 28.8180, 0.4299, 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

28.8180, 0.4299, 0.4695

Protanopia

28.9132, 0.4265, 0.4720

Deuteranopia

28.8300, 0.4559, 0.4465



Tritanopia

28.7136, 0.3437, 0.3130

Trichromacy



Original Color

28.8180, 0.4299, 0.4695

Protanomaly

29.0200, 0.4277, 0.4713

Deuteranomaly

28.8603, 0.4455, 0.4555

Tritanomaly

28.4968, 0.3823, 0.3772

Monochromacy



Original Color

28.8180, 0.4299, 0.4695

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.7350, 0.3599, 0.3916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8180, 0.4299, 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(166, 146, 40)` looks like.

```
.text, #text, p{  
    color:rgb(166, 146, 40)  
}
```

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(166, 146, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 146, 40) }
```

Border

The CSS property to change the border of an element to Yxy 28.8180, 0.4299, 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(166, 146, 40) }
```

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

```
.border{ border-color:rgb(166, 146, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 146, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 146, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 146, 40);  
box-shadow:4px 4px 4px 4px rgb(166, 146,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8180, 0.4299, 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(166, 146, 40) }
```

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

```
.background{ background-color: rgb(166,  
146, 40) }
```

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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