

Converting Colors

$Y_{xy}(10.2795, 0.4833, 0.4161)$

Have a look what the booklet for
Yxy(10.2795, 0.4833, 0.4161)
contains.

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Color

Yxy(10.2699, 0.4825, 0.4157)

Conversions

Conversions Part 1

Format	Color
Hex	804F1D
RGB	128, 79, 29
RGB Percent	50%, 31%, 11%
CMY	0.4980, 0.6902, 0.8864
CMYK	0.00, 0.38, 0.77, 0.50
HSL	30°, 63%, 31%
HSV	30°, 77%, 50%
XYZ	11.9202, 10.2699, 2.5150
YIQ	87.9510, 45.2540, -5.1620

Conversions

Conversions Part 2

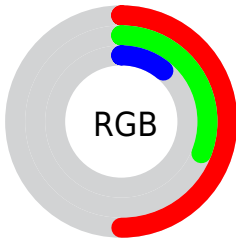
Format	Color
RYB	126, 128, 29
Decimal	8408861
CIELab	38.32, 16.13, 36.70
CIElCh	38, 40.088, 66.279
Yxy	10.2699, 0.4825, 0.4157
Android (android.graphics.Color)	4286598941 (0xFF804F1D)
YUV	87.9510, -29.0628, 35.1230
Hunter-Lab	32.0467, 10.3138, 17.7797

Details

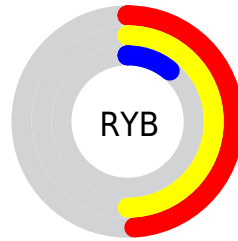
The Yxy color **10.2699, 0.4825, 0.4157** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.2657, 0.1988, 0.2027**, and the grayscale version is **9.8048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2744, 0.4420, 0.4000**, and **2.5999, 0.5375, 0.4115** is the 20% darker color. If you saturate the color by 10%, you get **9.3491, 0.5068, 0.4172**, and if you desaturate by 10%, it is **11.3052, 0.4565, 0.4098**.

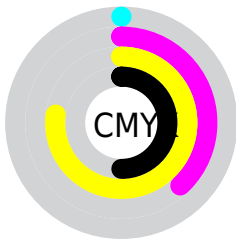
Distribution



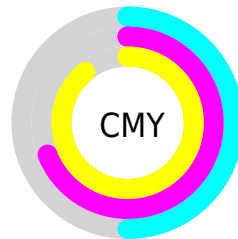
- Red (50%)
- Green (31%)
- Blue (11%)



- Red (49%)
- Yellow (50%)
- Blue (11%)



- Cyan (0%)
- Magenta (38%)
- Yellow (77%)
- Black (50%)





- Cyan (50%)
- Magenta (69%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2699, 0.4825, 0.4157 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 10.2699, 0.4825, 0.4157 by changing the saturation by 10% instead.


 10.2699, 0.4825,
0.4157


 10.2699, 0.4825,
0.4157


192.5877, 0.3800,
0.3702


 5.5783, 0.5127,
0.4230

 26.3019, 0.4411,
0.4005


 2.5904, 0.5645,
0.4355

 38.4111, 0.4267,
0.3941


 0.9218, 0.5935,
0.4065

 53.7616, 0.4150,
0.3886

 0.0000, 1.0000,
0.0000

 72.7379, 0.4055,
0.3838

 0.0000, 0.0000,
0.0000

 95.7242, 0.3975,
0.3797

 123.1050, 0.3907,

0.3761

155.2647, 0.3850,
0.3730

10.2699, 0.4825,
0.4157

10.2699, 0.4825,
0.4157

9.3491, 0.5068,
0.4172

11.3052, 0.4565,
0.4098

8.5325, 0.5288,
0.4144

12.4587, 0.4302,
0.4006

8.3314, 0.5348,
0.4136

13.7357, 0.4050,
0.3891

15.1405, 0.3814,
0.3764

16.6773, 0.3600,
0.3633

■ 18.3500, 0.3409,
0.3503

■ 20.1624, 0.3239,
0.3378

■ 22.1180, 0.3090,
0.3260

■ 24.2201, 0.2959,
0.3149

Harmonies

Analogous

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



10.2699, 0.4908, 0.3504



10.2699, 0.4825, 0.4157



10.2699, 0.4267, 0.4752

Triad

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



10.2699, 0.4825, 0.4157



10.2699, 0.1945, 0.3581



10.2699, 0.2581, 0.2033

Complementary

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



10.2699, 0.4825, 0.4157



7.2657, 0.1988, 0.2027

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.



10.2699, 0.1948, 0.1939



10.2699, 0.4825, 0.4157



10.2699, 0.1622, 0.2665

Square

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



10.2699, 0.4825, 0.4157



10.2699, 0.2605, 0.4571



10.2699, 0.1631, 0.2126



10.2699, 0.3482, 0.2367

Rectangle

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



10.2699, 0.4825, 0.4157



10.2699, 0.3742, 0.4987



10.2699, 0.1631, 0.2126



10.2699, 0.2335, 0.1973

Sweetspot

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



10.2704, 0.4825, 0.4157



30.4605, 0.3524, 0.3583



6.0244, 0.4354, 0.2443



6.9226, 0.3586, 0.3624



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



10.2704, 0.4825, 0.4157



15.3289, 0.5236, 0.4148



20.1177, 0.4097, 0.4893



4.6752, 0.3267, 0.3399



8.2634, 0.5347, 0.4136



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.2657, 0.1988, 0.2027



9.7794, 0.1822, 0.1699



2.6973, 0.1715, 0.0956



4.5357, 0.2993, 0.3178



5.1107, 0.1781, 0.1612



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 10.2699, 0.4825, 0.4157 looks on a white background.

Color Contrast Check

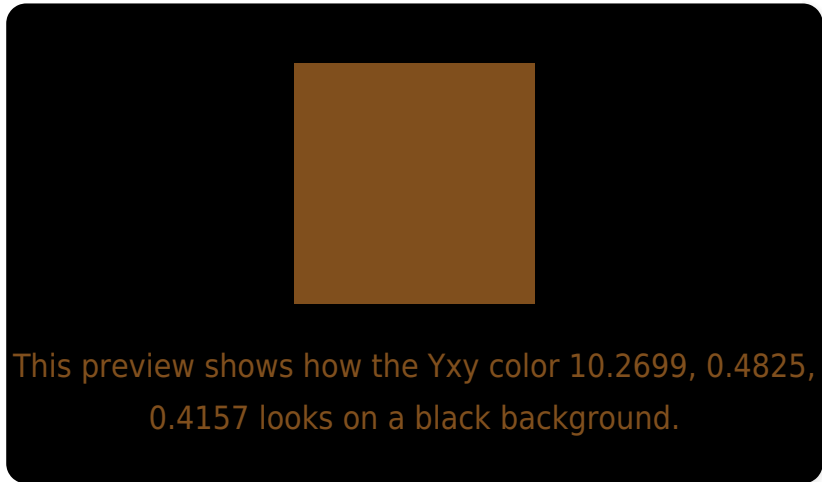
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

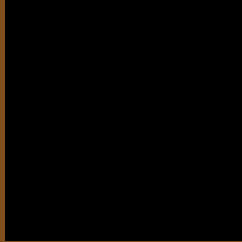
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2699, 0.4825, 0.4157

Background



This preview shows how black text looks on a background with the Yxy color 10.2699, 0.4825, 0.4157.



This preview shows how white text looks on a background with the Yxy color 10.2699, 0.4825, 0.4157.

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

10.2699, 0.4825, 0.4157

Protanopia

10.3532, 0.4147, 0.4582

Deuteranopia

10.3076, 0.4510, 0.4447



Tritanopia

10.2874, 0.4106, 0.3195

Trichromacy



Original Color

10.2699, 0.4825, 0.4157

Protanomaly

10.2948, 0.4392, 0.4428

Deuteranomaly

10.1876, 0.4635, 0.4332

Tritanomaly

10.2516, 0.4415, 0.3583

Monochromacy



Original Color

10.2699, 0.4825, 0.4157

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.7858, 0.3744, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2699, 0.4825, 0.4157 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(128, 79, 29)` looks like.

```
.text, #text, p{  
  color:rgb(128, 79, 29)  
}
```

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(128, 79, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 79, 29) }
```

Border

The CSS property to change the border of an element to Yxy 10.2699, 0.4825, 0.4157 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(128, 79, 29) }
```

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

```
.border{ border-color:rgb(128, 79, 29) }
```

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

Here you see how a box with a 4 pixel rgb(128, 79, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 79, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 79, 29);  
box-shadow:4px 4px 4px 4px rgb(128, 79,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2699, 0.4825, 0.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 79, 29) }
```

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

```
.background{ background-color: rgb(128, 79,  
29) }
```

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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