Converting Colors

Yxy(26.2929, 0.4518, 0.4794)

Have a look what the booklet for Yxy(26.2929, 0.4518, 0.4794) contains.

Yxy(26.2839, 0.4523, 0.4791) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 27
- ***CSS Examples*** 30

Color

Yxy(26.2839, 0.4523, 0.4791)

Conversions

Conversions Part 1

Format	Color
Hex	A68A00
RGB	166, 138, 0
RGB Percent	65%, 54%, 0%
CMY	0.3490, 0.4588, 1.0000
CMYK	0.00, 0.17, 1.00, 0.35
HSL	50°, 100%, 33%
HSV	50°, 100%, 65%
XYZ	24.8136, 26.2839, 3.7635
YIQ	130.6400, 60.9860, -36.9820

Conversions

Conversions Part 2

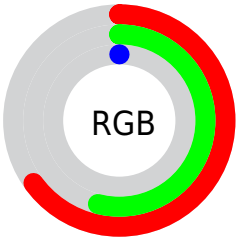
Format	Color
RYB	34, 166, 0
Decimal	10914304
CIELab	58.31, -0.72, 62.96
CIELCh	58, 62.968, 90.656
Yxy	26.2839, 0.4523, 0.4791
Android (android.graphics.Color)	4289104384 (0xFFA68A00)
YUV	130.6400, -64.4055, 31.0107
Hunter-Lab	51.2678, -3.3247, 31.5351

Details

The Yxy color 26.2839, 0.4523, 0.4791 is a dark color, and the websafe version is hex CC9933. A complement of this color would be 3.5831, 0.1544, 0.0758, and the grayscale version is 22.7803, 0.3127, 0.3290.

A 20% lighter version of the original color is 53.7114, 0.4305, 0.4552, and 10.3960, 0.4540, 0.4777 is the 20% darker color. If you saturate the color by 10%, you get 26.2853, 0.4523, 0.4791, and if you desaturate by 10%, it is 27.1382, 0.4452, 0.4772.

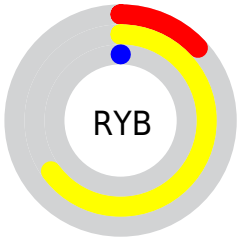
Distribution



Red (65%)

Green (54%)

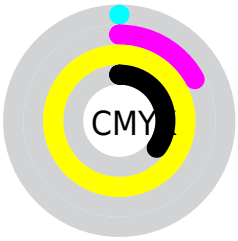
Blue (0%)



Red (13%)

Yellow (65%)

Blue (0%)

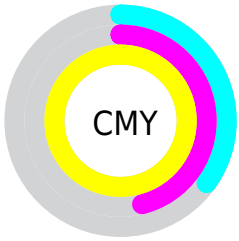


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.2839, 0.4523, 0.4791 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 26.2839, 0.4523, 0.4791 by changing the saturation by 10% instead.

26.2839, 0.4523, 0.4791

26.2839, 0.4523, 0.4791

284.1730, 0.3852, 0.4065

17.0361, 0.4644, 0.4924

53.7326, 0.4305, 0.4554

10.2603, 0.4798, 0.5095

72.7023, 0.4214, 0.4455

5.5719, 0.4845, 0.5155

95.6815, 0.4133, 0.4368

2.5865, 0.4836, 0.5164

123.0545, 0.4063, 0.4292

0.9199, 0.4821, 0.5179

155.2058, 0.4000, 0.4224

0.0000, 0.0000, 0.0000

192.5197, 0.3945,

0.4165

235.3806, 0.3896, 0.4112

26.2839, 0.4523, 0.4791

26.2853, 0.4523, 0.4791

26.2839, 0.4523, 0.4791

27.1382, 0.4452, 0.4772

28.0444, 0.4358, 0.4716

29.0175, 0.4238, 0.4617

30.0637, 0.4096, 0.4478

31.1881, 0.3938, 0.4308

32.3953, 0.3772, 0.4115

33.6895, 0.3602, 0.3909

35.0745, 0.3436, 0.3699

36.5539, 0.3277, 0.3491

Harmonies

Analogous

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

26.2839, 0.5100, 0.4072

26.2839, 0.4523, 0.4791

26.2839, 0.3641, 0.5258

Triad

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

26.2839, 0.4523, 0.4791

26.2839, 0.1484, 0.2721

26.2839, 0.3315, 0.2170

Complementary

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

26.2839, 0.4523, 0.4791

3.5831, 0.1544, 0.0758

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.

26.2839, 0.2343, 0.1851

26.2839, 0.4523, 0.4791

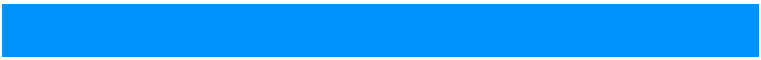
26.2839, 0.1439, 0.2051

Square

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

26.2839, 0.4523, 0.4791

26.2839, 0.1896, 0.3846



26.2839, 0.1718, 0.1796

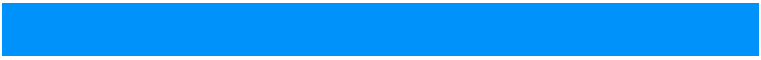
26.2839, 0.4402, 0.2703

Rectangle

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

26.2839, 0.4523, 0.4791

26.2839, 0.2995, 0.5169



26.2839, 0.1718, 0.1796

26.2839, 0.2960, 0.2037

Sweetspot

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

26.2853, 0.4523, 0.4791

61.0107, 0.3612, 0.3921

8.2026, 0.6101, 0.3135

13.4363, 0.3680, 0.4005

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.

26.2853, 0.4523, 0.4791

47.4372, 0.4530, 0.4785

30.8106, 0.3649, 0.5484

8.5553, 0.3266, 0.3476

20.4428, 0.4519, 0.4794

0.5526, 0.4395, 0.4892

Inverse Universe

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

3.5831, 0.1544, 0.0758

6.2920, 0.1538, 0.0737

3.4982, 0.1730, 0.0727

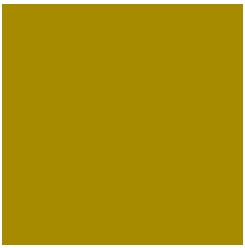
7.4974, 0.2986, 0.3097

2.8276, 0.1547, 0.0770

0.1266, 0.1689, 0.1279

Previews

White Background

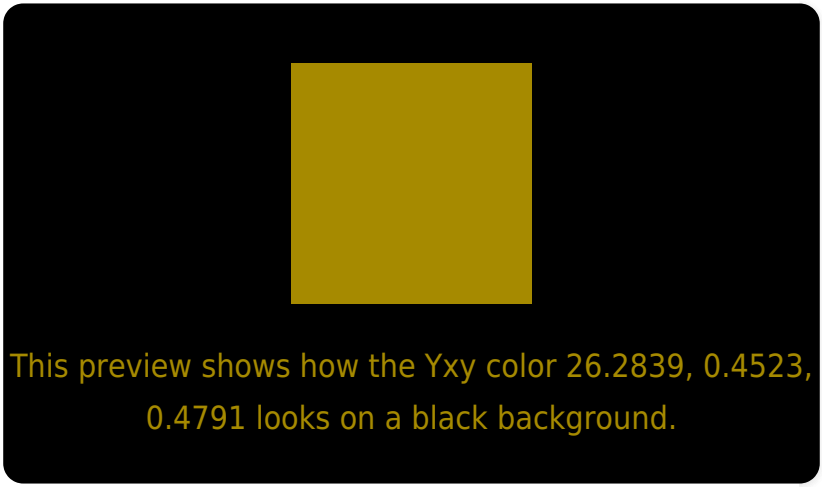


This preview shows how the Yxy color 26.2839, 0.4523, 0.4791 looks on a white background.

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

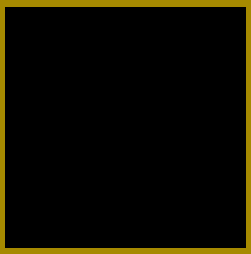


Color Contrast Check

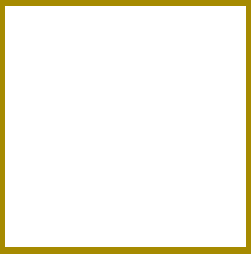
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 26.2839, 0.4523, 0.4791 Background



This preview shows how black text looks on a background with the Yxy color 26.2839, 0.4523, 0.4791.



This preview shows how white text looks on a background with the Yxy color 26.2839, 0.4523, 0.4791.

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

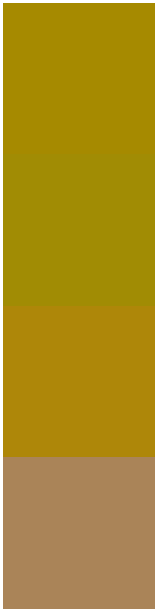
Original Color
26.2839, 0.4523, 0.4791

Protanopia
26.3320, 0.4381, 0.4876

Deuteranopia
26.2717, 0.4692, 0.4595

Tritanopia
26.1576, 0.3549, 0.3143

Trichromacy



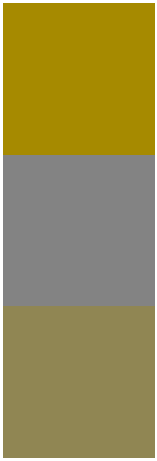
Original Color
26.2839, 0.4523, 0.4791

Protanomaly
26.3420, 0.4432, 0.4845

Deuteranomaly
26.3463, 0.4633, 0.4665

Tritanomaly
25.7532, 0.4082, 0.3953

Monochromacy



Original Color
26.2839, 0.4523, 0.4791

Achromatopsia
22.6966, 0.3127, 0.3290

Achromatomaly
23.6040, 0.3801, 0.4156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2839, 0.4523, 0.4791 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, 138, 0) looks like.

```
.text, #text, p{
    color:rgb(166, 138, 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(166, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.2839, 0.4523, 0.4791 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, 138, 0) }
```

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

```
.border{ border-color:rgb(166, 138, 0) }
```

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

Here you see how a box with a 4 pixel rgb(166, 138, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 138, 0); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 138, 0); box-shadow:4px 4px 4px 4px rgb(166, 138, 0) }
```

Background

The CSS property to change the background color of an element to Yxy 26.2839, 0.4523, 0.4791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(166, 138, 0) }
```

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

```
.background{ background-color:rgb(166,
138, 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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