

Converting Colors

$Y_{xy}(40.3535, 0.4866, 0.4519)$

Have a look what the booklet for
Yxy(40.3535, 0.4866, 0.4519)
contains.

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Color

Yxy(40.2827, 0.4868, 0.4516)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E29D00 |
| RGB | 226, 157, 0 |
| RGB Percent | 89%, 62%, 0% |
| CMY | 0.1137, 0.3843, 0.9989 |
| CMYK | 0.00, 0.31, 1.00, 0.11 |
| HSL | 42°, 100%, 44% |
| HSV | 42°, 100%, 89% |
| XYZ | 43.4225, 40.2827, 5.4947 |
| YIQ | 159.7330, 91.5210, -34.1990 |

Conversions

Conversions Part 2

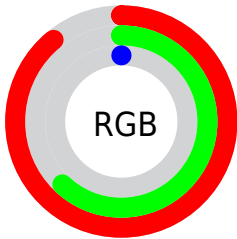
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 99, 226, 0 |
| Decimal | 14851328 |
| CIELab | 69.67, 15.82, 73.80 |
| CIElCh | 70, 75.476, 77.900 |
| Yxy | 40.2827, 0.4868, 0.4516 |
| Android (android.graphics.Color) | 4293041408 (0xFFE29D00) |
| YUV | 159.7330, -78.7484, 58.1162 |
| Hunter-Lab | 63.4687, 11.0519, 39.2951 |

Details

The Yxy color **40.2827, 0.4868, 0.4516** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **9.7848, 0.1609, 0.0992**, and the grayscale version is **35.3789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3703, 0.4367, 0.4535**, and **18.3074, 0.4990, 0.4420** is the 20% darker color. If you saturate the color by 10%, you get **40.2539, 0.4869, 0.4516**, and if you desaturate by 10%, it is **42.7499, 0.4752, 0.4537**.

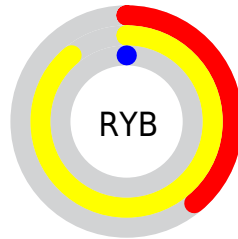
Distribution



Red (89%)

Green (62%)

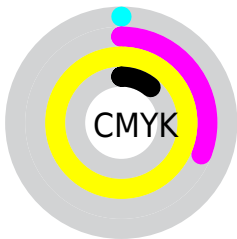
Blue (0%)



Red (39%)

Yellow (89%)

Blue (0%)

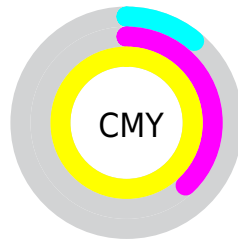


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2827, 0.4868, 0.4516 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 40.2827, 0.4868, 0.4516 by changing the saturation by 10% instead.


 40.2827, 0.4868,
0.4516


 40.2827, 0.4868,
0.4516


347.3137, 0.4074,
0.4028


 27.7590, 0.5015,
0.4577


 75.5938, 0.4614,
0.4382


 18.1441, 0.5169,
0.4620

 99.1500, 0.4507,
0.4318


 11.0535, 0.5351,
0.4649


 127.1526, 0.4412,
0.4258

 6.1028, 0.5452,
0.4548

 159.9858, 0.4329,
0.4204

 2.9077, 0.5605,
0.4395

 198.0341, 0.4254,
0.4154

 1.0837, 0.5866,
0.4134

 241.6820, 0.4187,

 0.0000, 1.0000,

0.4108


0.0000

 291.3137, 0.4128,
0.4066


 0.0000, 0.0000,
0.0000


 40.2827, 0.4868,
0.4516

 40.2827, 0.4868,
0.4516


 40.2539, 0.4869,
0.4516

 42.7499, 0.4752,
0.4537

 45.4204, 0.4608,
0.4513

 48.3207, 0.4435,
0.4439

 51.4657, 0.4242,
0.4322

 54.8683, 0.4040,
0.4173

■ 58.5401, 0.3836,
0.4003

■ 62.4915, 0.3639,
0.3822

■ 66.7323, 0.3454,
0.3639

■ 71.2715, 0.3282,
0.3460

Harmonies

Analogous

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



40.2827, 0.5257, 0.3763



40.2827, 0.4868, 0.4516



40.2827, 0.4054, 0.5181

Triad

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



40.2827, 0.4868, 0.4516



40.2827, 0.1560, 0.3141



40.2827, 0.2854, 0.1966

Complementary

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



40.2827, 0.4868, 0.4516



9.7848, 0.1609, 0.0992

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.



40.2827, 0.1996, 0.1750



40.2827, 0.4868, 0.4516



40.2827, 0.1367, 0.2239

Square

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



40.2827, 0.4868, 0.4516



40.2827, 0.2153, 0.4421



40.2827, 0.1514, 0.1816



40.2827, 0.3986, 0.2428

Rectangle

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



40.2827, 0.4868, 0.4516



40.2827, 0.3404, 0.5356



40.2827, 0.1514, 0.1816



40.2827, 0.2527, 0.1864

Sweetspot

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



40.2847, 0.4868, 0.4516



81.9910, 0.3646, 0.3829



16.6400, 0.5731, 0.2932



17.0688, 0.3728, 0.3906



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



40.2847, 0.4868, 0.4516



52.7237, 0.4875, 0.4511



64.6608, 0.3869, 0.5310



15.2854, 0.3275, 0.3452



23.1836, 0.4856, 0.4526



1.7629, 0.4729, 0.4627

Inverse Universe

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



9.7848, 0.1609, 0.0992



12.6618, 0.1605, 0.0979



5.9827, 0.1578, 0.0643



13.9232, 0.2981, 0.3123



5.7511, 0.1616, 0.1017



0.5535, 0.1701, 0.1324

Previews

White Background



This preview shows how the Yxy color 40.2827, 0.4868, 0.4516 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 40.2827, 0.4868, 0.4516 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 ✓ Pass

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

Yxy 40.2827, 0.4868, 0.4516

Background



This preview shows how black text looks on a background with the Yxy color 40.2827, 0.4868, 0.4516.



This preview shows how white text looks on a background with the Yxy color 40.2827, 0.4868, 0.4516.

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

40.2827, 0.4868, 0.4516

Protanopia

40.3640, 0.4381, 0.4861

Deuteranopia

40.4396, 0.4723, 0.4632



Tritanopia

40.3157, 0.3924, 0.3166

Trichromacy



Original Color

40.2827, 0.4868, 0.4516

Protanomaly

40.1295, 0.4556, 0.4739

Deuteranomaly

40.3573, 0.4782, 0.4585

Tritanomaly

39.5558, 0.4465, 0.3853

Monochromacy



Original Color

40.2827, 0.4868, 0.4516

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.9459, 0.3919, 0.4076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2827, 0.4868, 0.4516 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(226, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(226, 157, 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(226, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 157, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.2827, 0.4868, 0.4516 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(226, 157, 0) }
```

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

```
.border{ border-color:rgb(226, 157, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 157, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(226, 157,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2827, 0.4868, 0.4516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 157, 0) }
```

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

```
.background{ background-color: rgb(226,  
157, 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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