

Converting Colors

$Y_{xy}(28.6116, 0.5366, 0.3852)$

Have a look what the booklet for
Yxy(28.6116, 0.5366, 0.3852)
contains.

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Color

Yxy(28.6116, 0.5366, 0.3852)

Conversions

Conversions Part 1

Format	Color
Hex	EA6D2C
RGB	234, 109, 44
RGB Percent	92%, 43%, 17%
CMY	0.0823, 0.5725, 0.8273
CMYK	0.00, 0.53, 0.81, 0.08
HSL	21°, 82%, 55%
HSV	21°, 81%, 92%
XYZ	39.8572, 28.6116, 5.8085
YIQ	138.9650, 95.3650, 6.2850

Conversions

Conversions Part 2

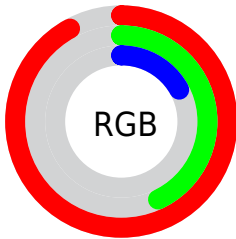
Format	Color
RYB	234, 143, 44
Decimal	15363372
CIELab	60.44, 44.78, 56.50
CIElCh	60, 72.091, 51.603
Yxy	28.6116, 0.5366, 0.3852
Android (android.graphics.Color)	4293553452 (0xFFEA6D2C)
YUV	138.9650, -46.8177, 83.3457
Hunter-Lab	53.4898, 39.3996, 31.0045

Details

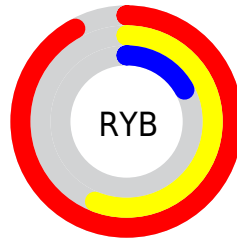
The Yxy color **28.6116, 0.5366, 0.3852** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **34.8696, 0.2034, 0.2357**, and the grayscale version is **25.9631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2806, 0.4629, 0.3962**, and **11.5842, 0.5868, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **25.4812, 0.5666, 0.3796**, and if you desaturate by 10%, it is **32.4197, 0.5023, 0.3857**.

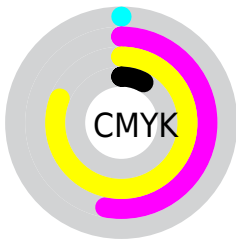
Distribution



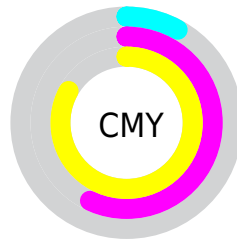
- Red (92%)
- Green (43%)
- Blue (17%)



- Red (92%)
- Yellow (56%)
- Blue (17%)



- Cyan (0%)
- Magenta (53%)
- Yellow (81%)
- Black (8%)





- Cyan (8%)
- Magenta (57%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6116, 0.5366, 0.3852 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 28.6116, 0.5366, 0.3852 by changing the saturation by 10% instead.


 28.6116, 0.5366,
0.3852


 28.6116, 0.5366,
0.3852


295.3779, 0.4215,
0.3699


 18.7872, 0.5628,
0.3829


 57.4594, 0.4959,
0.3838


 11.5166, 0.5936,
0.3762


 77.2516, 0.4801,
0.3820

 6.4154, 0.6353,
0.3647


 101.1352, 0.4666,
0.3799

 3.0993, 0.6686,
0.3314

 129.4946, 0.4550,
0.3778

 1.1838, 0.7198,
0.2802

 162.7142, 0.4449,
0.3756

 0.0484, 0.9604,
0.0396

 201.1783, 0.4362,

 0.0000, 1.0000,

0.3736

0.0000

245.2715, 0.4284,
0.3717

■ 0.0000, 0.0000,
0.0000

■ 28.6116, 0.5366,
0.3852

■ 28.6116, 0.5366,
0.3852

■ 25.4812, 0.5666,
0.3796

■ 32.4197, 0.5023,
0.3857


■ 23.2339, 0.5881,
0.3713

■ 36.9433, 0.4670,
0.3820

■ 42.2221, 0.4331,
0.3752


■ 48.2912, 0.4023,
0.3666

■ 55.1833, 0.3751,
0.3573

 62.9291, 0.3516,
0.3478

 71.5576, 0.3315,
0.3386

 81.0964, 0.3145,
0.3300

 91.5719, 0.3001,
0.3220

Harmonies

Analogous

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



28.6116, 0.5159, 0.3114



28.6116, 0.5366, 0.3852



28.6116, 0.4859, 0.4652

Triad

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



28.6116, 0.5366, 0.3852



28.6116, 0.1983, 0.4338



28.6116, 0.2020, 0.1684

Complementary

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



28.6116, 0.5366, 0.3852



34.8696, 0.2034, 0.2357

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.



28.6116, 0.1474, 0.1710



28.6116, 0.5366, 0.3852



28.6116, 0.1426, 0.2969

Square

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



28.6116, 0.5366, 0.3852



28.6116, 0.2916, 0.5394



28.6116, 0.1281, 0.2088



28.6116, 0.2969, 0.1943

Rectangle

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



28.6116, 0.5366, 0.3852



28.6116, 0.4282, 0.5156



28.6116, 0.1281, 0.2088



28.6116, 0.1795, 0.1659

Sweetspot

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



28.6132, 0.5366, 0.3852



73.6086, 0.3581, 0.3506



22.2260, 0.4022, 0.2120



15.0319, 0.3665, 0.3540



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.



28.6132, 0.5366, 0.3852



28.9718, 0.5821, 0.3737



60.0787, 0.4387, 0.4741



15.8961, 0.3284, 0.3371



13.2656, 0.5852, 0.3735



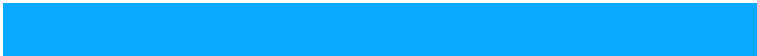
1.2147, 0.5585, 0.3947

Inverse Universe

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



34.8696, 0.2034, 0.2357



36.1747, 0.1933, 0.2145



11.6050, 0.1691, 0.1063



16.2041, 0.2981, 0.3208



16.5646, 0.1926, 0.2133



1.4782, 0.1976, 0.2311

Previews

White Background



This preview shows how the Yxy color 28.6116, 0.5366, 0.3852 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 28.6116, 0.5366, 0.3852 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 28.6116, 0.5366, 0.3852

Background



This preview shows how black text looks on a background with the Yxy color 28.6116, 0.5366, 0.3852.



This preview shows how white text looks on a background with the Yxy color 28.6116, 0.5366, 0.3852.

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

28.6116, 0.5366, 0.3852

Protanopia

28.6106, 0.4181, 0.4592

Deuteranopia

28.7654, 0.4611, 0.4531



Tritanopia

28.6114, 0.4779, 0.3222

Trichromacy



Original Color

28.6116, 0.5366, 0.3852

Protanomaly

27.8242, 0.4637, 0.4308

Deuteranomaly

28.1285, 0.4910, 0.4261

Tritanomaly

28.5919, 0.5046, 0.3495

Monochromacy



Original Color

28.6116, 0.5366, 0.3852

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.4365, 0.3973, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6116, 0.5366, 0.3852 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(234, 109, 44)` looks like.

```
.text, #text, p{  
    color:rgb(234, 109, 44)  
}
```

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(234, 109, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 109, 44) }
```

Border

The CSS property to change the border of an element to Yxy 28.6116, 0.5366, 0.3852 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(234, 109, 44) }
```

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

```
.border{ border-color:rgb(234, 109, 44) }
```

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

Here you see how a box with a 4 pixel rgb(234, 109, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 109, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 109, 44);  
box-shadow:4px 4px 4px 4px rgb(234, 109,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6116, 0.5366, 0.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 109, 44) }
```

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

```
.background{ background-color: rgb(234,  
109, 44) }
```

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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