

Converting Colors

$Y_{xy}(27.8496, 0.5649, 0.3845)$

Have a look what the booklet for
Yxy(27.8496, 0.5649, 0.3845)
contains.

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Color

Yxy(27.8496, 0.5649, 0.3845)

Conversions

Conversions Part 1

Format	Color
Hex	F1640F
RGB	241, 100, 15
RGB Percent	95%, 39%, 6%
CMY	0.0549, 0.6078, 0.9418
CMYK	0.00, 0.58, 0.94, 0.05
HSL	23°, 89%, 50%
HSV	23°, 94%, 95%
XYZ	40.9161, 27.8496, 3.6650
YIQ	132.4690, 111.3210, 3.4570

Conversions

Conversions Part 2

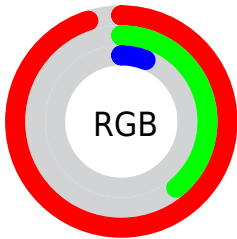
Format	Color
R _Y B	241, 151, 15
Decimal	15819791
CIE Lab	59.75, 51.01, 66.03
CIE LCh	60, 83.443, 52.312
Yxy	27.8496, 0.5649, 0.3845
Android (android.graphics.Color)	4294009871 (0xFFFF1640F)
YUV	132.4690, -57.9122, 95.1817
Hunter-Lab	52.7727, 46.0435, 32.8233

Details

The Yxy color **27.8496, 0.5649, 0.3845** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **30.1664, 0.1917, 0.2071**, and the grayscale version is **23.4326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1837, 0.4857, 0.4052**, and **11.2239, 0.6063, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **26.1412, 0.5790, 0.3785**, and if you desaturate by 10%, it is **31.1162, 0.5377, 0.3911**.

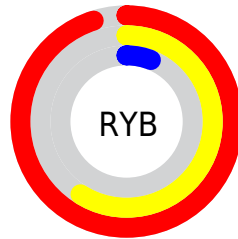
Distribution



Red (95%)

Green (39%)

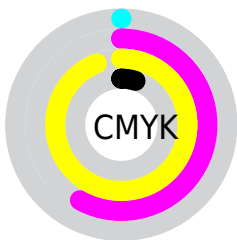
Blue (6%)



Red (95%)

Yellow (59%)

Blue (6%)

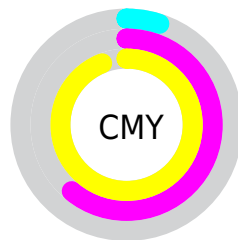


Cyan (0%)

Magenta (58%)

Yellow (94%)

Black (5%)



Cyan (5%)


Magenta (61%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8496, 0.5649, 0.3845 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 27.8496, 0.5649, 0.3845 by changing the saturation by 10% instead.


 27.8496, 0.5649,
0.3845

 27.8496, 0.5649,
0.3845


291.7475, 0.4388,
0.3754


 18.2123, 0.5913,
0.3787


 56.2442, 0.5219,
0.3871

 11.1025, 0.6251,
0.3691


 75.7704, 0.5046,
0.3862


 6.1358, 0.6546,
0.3454

 99.3616, 0.4897,
0.3848

 2.9279, 0.6915,
0.3085

 127.4023, 0.4768,
0.3830

 1.0942, 0.7472,
0.2528

 160.2768, 0.4654,
0.3811


 0.0000, 1.0000,
0.0000


 198.3696, 0.4555,


 0.0000, 0.0000,


0.3791


0.0000


 242.0651, 0.4466,
0.3772


 27.8496, 0.5649,
0.3845


 27.8496, 0.5649,
0.3845


 26.1412, 0.5790,
0.3785

 31.1162, 0.5377,
0.3911

 35.0409, 0.5058,
0.3924

 39.6670, 0.4721,
0.3890

 45.0318, 0.4391,
0.3821

 51.1694, 0.4084,
0.3730

■ 58.1116, 0.3810,
0.3629

■ 65.8881, 0.3571,
0.3525

■ 74.5269, 0.3364,
0.3423

■ 84.0547, 0.3188,
0.3326

Harmonies

Analogous

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



27.8496, 0.5494, 0.3058



27.8496, 0.5649, 0.3845



27.8496, 0.4994, 0.4750

Triad

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



27.8496, 0.5649, 0.3845



27.8496, 0.1776, 0.4487



27.8496, 0.1890, 0.1506

Complementary

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



27.8496, 0.5649, 0.3845



30.1664, 0.1917, 0.2071

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.



27.8496, 0.1298, 0.1515



27.8496, 0.5649, 0.3845



27.8496, 0.1205, 0.2847

Square

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



27.8496, 0.5649, 0.3845



27.8496, 0.2791, 0.5784



27.8496, 0.1080, 0.1891



27.8496, 0.2960, 0.1792

Rectangle

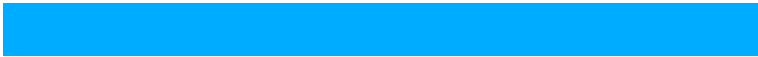
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.8496, 0.5649, 0.3845



27.8496, 0.4317, 0.5373



27.8496, 0.1080, 0.1891



27.8496, 0.1644, 0.1475

Sweetspot

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



27.8512, 0.5649, 0.3845



71.0402, 0.3668, 0.3569



21.5076, 0.4331, 0.2185



14.3991, 0.3774, 0.3614



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.



27.8512, 0.5649, 0.3845



29.6332, 0.5795, 0.3780



65.2415, 0.4424, 0.4842



16.7343, 0.3284, 0.3379



14.4157, 0.5761, 0.3808



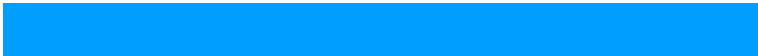
1.3847, 0.5514, 0.4004

Inverse Universe

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



30.1664, 0.1917, 0.2071



32.0023, 0.1883, 0.1980



8.3272, 0.1557, 0.0762



16.8704, 0.2980, 0.3199



15.5805, 0.1891, 0.2007



1.4869, 0.1943, 0.2195

Previews

White Background



This preview shows how the Yxy color 27.8496, 0.5649, 0.3845 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 27.8496, 0.5649, 0.3845 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 27.8496, 0.5649, 0.3845

Background



This preview shows how black text looks on a background with the Yxy color 27.8496, 0.5649, 0.3845.



This preview shows how white text looks on a background with the Yxy color 27.8496, 0.5649, 0.3845.

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

27.8496, 0.5649, 0.3845

Protanopia

28.1212, 0.4330, 0.4787

Deuteranopia

27.8364, 0.4709, 0.4643



Tritanopia

27.7842, 0.5026, 0.3238

Trichromacy



Original Color

27.8496, 0.5649, 0.3845

Protanomaly

26.8387, 0.4853, 0.4417

Deuteranomaly

27.1228, 0.5083, 0.4327

Tritanomaly

27.6603, 0.5357, 0.3541

Monochromacy



Original Color

27.8496, 0.5649, 0.3845

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.9249, 0.4187, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8496, 0.5649, 0.3845 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(241, 100, 15)` looks like.

```
.text, #text, p{  
    color:rgb(241, 100, 15)  
}
```

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(241, 100, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 100, 15) }
```

Border

The CSS property to change the border of an element to Yxy 27.8496, 0.5649, 0.3845 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(241, 100, 15) }
```

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

```
.border{ border-color:rgb(241, 100, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 100, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 100, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 100, 15);  
box-shadow:4px 4px 4px 4px rgb(241, 100,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8496, 0.5649, 0.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 100, 15) }
```

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

```
.background{ background-color: rgb(241,  
100, 15) }
```

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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