

Converting Colors

$Y_{xy}(28.0399, 0.5639, 0.3856)$

Have a look what the booklet for
Yxy(28.0399, 0.5639, 0.3856)
contains.

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Color

Yxy(28.0398, 0.5640, 0.3856)

Conversions

Conversions Part 1

Format	Color
Hex	F1650E
RGB	241, 101, 14
RGB Percent	95%, 40%, 5%
CMY	0.0548, 0.6039, 0.9452
CMYK	0.00, 0.58, 0.94, 0.05
HSL	23°, 89%, 50%
HSV	23°, 94%, 95%
XYZ	41.0126, 28.0398, 3.6650
YIQ	132.9420, 111.3670, 2.6230

Conversions

Conversions Part 2

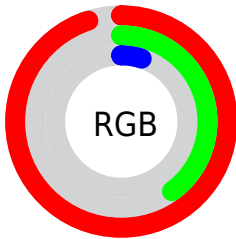
Format	Color
R _Y B	241, 155, 14
Decimal	15820046
CIE Lab	59.92, 50.57, 66.33
CIE LCh	60, 83.407, 52.679
Yxy	28.0398, 0.5640, 0.3856
Android (android.graphics.Color)	4294010126 (0xFFFF1650E)
YUV	132.9420, -58.6384, 94.7669
Hunter-Lab	52.9526, 45.5837, 32.9633

Details

The Yxy color **28.0398, 0.5640, 0.3856** 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 **29.5544, 0.1909, 0.2043**, and the grayscale version is **23.6194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5180, 0.4848, 0.4061**, and **11.3011, 0.6050, 0.3578** is the 20% darker color. If you saturate the color by 10%, you get **26.4232, 0.5772, 0.3799**, and if you desaturate by 10%, it is **31.3020, 0.5372, 0.3923**.

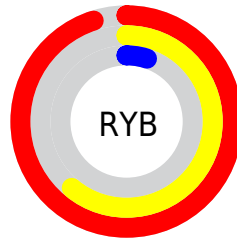
Distribution



Red (95%)

Green (40%)

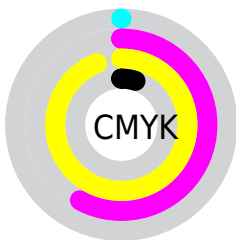
Blue (5%)



Red (95%)

Yellow (61%)

Blue (5%)

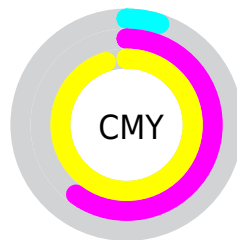


Cyan (0%)

Magenta (58%)

Yellow (94%)

Black (5%)



Cyan (5%)


Magenta (60%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0398, 0.5640, 0.3856 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 28.0398, 0.5640, 0.3856 by changing the saturation by 10% instead.


 28.0398, 0.5640,
0.3856


 28.0398, 0.5640,
0.3856


292.6570, 0.4386,
0.3759


 18.3557, 0.5902,
0.3799


 56.5480, 0.5213,
0.3880


 11.2056, 0.6236,
0.3706


 76.1408, 0.5041,
0.3870

 6.2053, 0.6529,
0.3471

 99.8053, 0.4893,
0.3855

 2.9703, 0.6893,
0.3107

 127.9259, 0.4764,
0.3837

 1.1163, 0.7444,
0.2556

 160.8870, 0.4651,
0.3817

 0.0000, 1.0000,
0.0000

 199.0730, 0.4552,


 0.0000, 0.0000,


0.3797


0.0000


 242.8682, 0.4464,
0.3778


 28.0398, 0.5640,
0.3856


 28.0398, 0.5640,
0.3856


 26.4232, 0.5772,
0.3799

 31.3020, 0.5372,
0.3923

 35.2113, 0.5057,
0.3937

 39.8102, 0.4724,
0.3903

 45.1355, 0.4396,
0.3833

 51.2204, 0.4091,
0.3742

■ 58.0962, 0.3818,
0.3639

■ 65.7918, 0.3578,
0.3533

■ 74.3348, 0.3371,
0.3429

■ 83.7513, 0.3194,
0.3330

Harmonies

Analogous

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



28.0398, 0.5497, 0.3069



28.0398, 0.5640, 0.3856



28.0398, 0.4981, 0.4761

Triad

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



28.0398, 0.5640, 0.3856



28.0398, 0.1769, 0.4462



28.0398, 0.1902, 0.1511

Complementary

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



28.0398, 0.5640, 0.3856



29.5544, 0.1909, 0.2043

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.



28.0398, 0.1306, 0.1517



28.0398, 0.5640, 0.3856



28.0398, 0.1205, 0.2833

Square

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



28.0398, 0.5640, 0.3856



28.0398, 0.2779, 0.5769



28.0398, 0.1084, 0.1887



28.0398, 0.2977, 0.1800

Rectangle

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



28.0398, 0.5640, 0.3856



28.0398, 0.4303, 0.5380



28.0398, 0.1084, 0.1887



28.0398, 0.1655, 0.1479

Sweetspot

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



28.0414, 0.5640, 0.3856



71.2757, 0.3667, 0.3574



21.4775, 0.4337, 0.2187



14.4548, 0.3772, 0.3620



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.



28.0414, 0.5640, 0.3856



29.9462, 0.5777, 0.3795



65.1963, 0.4426, 0.4842



16.7520, 0.3284, 0.3381



14.5678, 0.5742, 0.3822



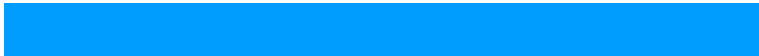
1.3986, 0.5497, 0.4017

Inverse Universe

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



29.5544, 0.1909, 0.2043



31.4232, 0.1877, 0.1956



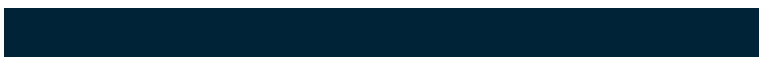
8.2647, 0.1555, 0.0757



16.8521, 0.2980, 0.3197



15.3055, 0.1884, 0.1984



1.4650, 0.1937, 0.2174

Previews

White Background



This preview shows how the Yxy color 28.0398, 0.5640, 0.3856 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 28.0398, 0.5640, 0.3856 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 28.0398, 0.5640, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 28.0398, 0.5640, 0.3856.



This preview shows how white text looks on a background with the Yxy color 28.0398, 0.5640, 0.3856.

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

28.0398, 0.5640, 0.3856

Protanopia

28.1212, 0.4330, 0.4787

Deuteranopia

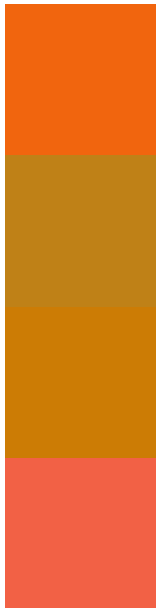
27.9586, 0.4720, 0.4634



Tritanopia

27.9802, 0.5006, 0.3238

Trichromacy



Original Color

28.0398, 0.5640, 0.3856

Protanomaly

26.8387, 0.4853, 0.4417

Deuteranomaly

27.2636, 0.5092, 0.4320

Tritanomaly

27.8563, 0.5338, 0.3543

Monochromacy



Original Color

28.0398, 0.5640, 0.3856

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.1836, 0.4167, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0398, 0.5640, 0.3856 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, 101, 14)` looks like.

```
.text, #text, p{  
    color:rgb(241, 101, 14)  
}
```

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, 101, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 101, 14) }
```

Border

The CSS property to change the border of an element to Yxy 28.0398, 0.5640, 0.3856 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, 101, 14) }
```

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

```
.border{ border-color:rgb(241, 101, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 101, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 101, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 101, 14);  
box-shadow:4px 4px 4px 4px rgb(241, 101,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0398, 0.5640, 0.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 101, 14) }
```

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

```
.background{ background-color: rgb(241,  
101, 14) }
```

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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