

Converting Colors

$Y_{xy}(25.8559, 0.5516, 0.3787)$

Have a look what the booklet for
Yxy(25.8559, 0.5516, 0.3787)
contains.

Yxy(25.8579, 0.5516, 0.3788)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.8579, 0.5516, 0.3788)

Conversions

Conversions Part 1

Format	Color
Hex	E76225
RGB	231, 98, 37
RGB Percent	91%, 38%, 15%
CMY	0.0942, 0.6156, 0.8552
CMYK	0.00, 0.58, 0.84, 0.09
HSL	19°, 80%, 53%
HSV	19°, 84%, 91%
XYZ	37.6537, 25.8579, 4.7511
YIQ	130.8130, 98.8490, 9.2250

Conversions

Conversions Part 2

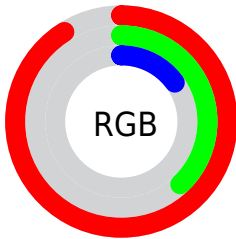
Format	Color
R_{YB}	231, 126, 37
Decimal	15163941
CIE _{Lab}	57.90, 48.68, 57.01
CIE _{LCh}	58, 74.961, 49.506
Yxy	25.8579, 0.5516, 0.3788
Android (android.graphics.Color)	4293354021 (0xFFE76225)
YUV	130.8130, -46.2498, 87.8640
Hunter-Lab	50.8507, 43.1863, 30.0559

Details

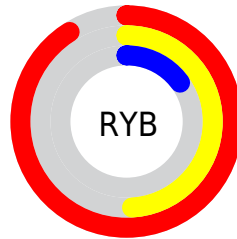
The Yxy color **25.8579, 0.5516, 0.3788** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **34.8749, 0.2035, 0.2402**, and the grayscale version is **22.7683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4211, 0.4774, 0.3910**, and **10.1262, 0.6039, 0.3587** is the 20% darker color. If you saturate the color by 10%, you get **23.0820, 0.5806, 0.3716**, and if you desaturate by 10%, it is **29.3140, 0.5170, 0.3811**.

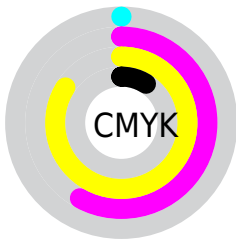
Distribution



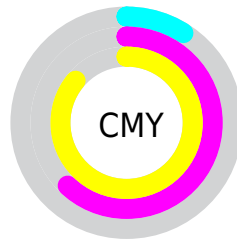
- Red (91%)
- Green (38%)
- Blue (15%)



- Red (91%)
- Yellow (49%)
- Blue (15%)



- Cyan (0%)
- Magenta (58%)
- Yellow (84%)
- Black (9%)





- Cyan (9%)
- Magenta (62%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8579, 0.5516, 0.3788 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 25.8579, 0.5516, 0.3788 by changing the saturation by 10% instead.


 25.8579, 0.5516,
0.3788


 25.8579, 0.5516,
0.3788


282.0838, 0.4276,
0.3684


 16.7174, 0.5798,
0.3744


 53.0456, 0.5076,
0.3799


 10.0332, 0.6138,
0.3650


 71.8616, 0.4906,
0.3787


 5.4210, 0.6538,
0.3462

 94.6715, 0.4760,
0.3772

 2.4963, 0.6925,
0.3075

 121.8597, 0.4635,
0.3754

 0.8748, 0.7521,
0.2479

 153.8107, 0.4527,
0.3736

 0.0000, 1.0000,
0.0000

 190.9087, 0.4433,

 0.0000, 0.0000,

0.3718

0.0000

233.5383, 0.4349,
0.3700

■ 25.8579, 0.5516,
0.3788

■ 25.8579, 0.5516,
0.3788

■ 23.0820, 0.5806,
0.3716

■ 29.3140, 0.5170,
0.3811


■ 21.7146, 0.5949,
0.3658


■ 33.4927, 0.4804,
0.3789


■ 38.4374, 0.4447,
0.3735

■ 44.1864, 0.4120,
0.3660

■ 50.7752, 0.3831,
0.3576

 58.2370, 0.3582,
0.3488

 66.6032, 0.3370,
0.3402

 75.9036, 0.3191,
0.3321

 86.1664, 0.3040,
0.3245

Harmonies

Analogous

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



25.8579, 0.5256, 0.3032



25.8579, 0.5516, 0.3788



25.8579, 0.4992, 0.4631

Triad

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



25.8579, 0.5516, 0.3788



25.8579, 0.1956, 0.4532



25.8579, 0.1898, 0.1592

Complementary

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



25.8579, 0.5516, 0.3788



34.8749, 0.2035, 0.2402

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.



25.8579, 0.1363, 0.1635



25.8579, 0.5516, 0.3788



25.8579, 0.1352, 0.3019

Square

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



25.8579, 0.5516, 0.3788



25.8579, 0.2950, 0.5608



25.8579, 0.1184, 0.2049



25.8579, 0.2867, 0.1841

Rectangle

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



25.8579, 0.5516, 0.3788



25.8579, 0.4385, 0.5196



25.8579, 0.1184, 0.2049



25.8579, 0.1675, 0.1572

Sweetspot

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



25.8594, 0.5516, 0.3788



71.7790, 0.3608, 0.3498



21.3147, 0.3962, 0.2053



14.6398, 0.3693, 0.3529



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.



25.8594, 0.5516, 0.3788



27.0368, 0.5959, 0.3651



54.8985, 0.4472, 0.4706



15.1046, 0.3285, 0.3365



12.3709, 0.5921, 0.3681



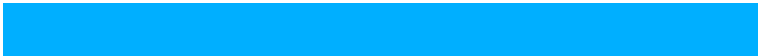
1.0760, 0.5635, 0.3908

Inverse Universe

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



34.8749, 0.2035, 0.2402



37.7752, 0.1946, 0.2206



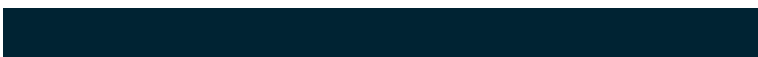
11.2948, 0.1676, 0.1067



15.5309, 0.2981, 0.3214



17.2302, 0.1953, 0.2231



1.4379, 0.2001, 0.2404

Previews

White Background



This preview shows how the Yxy color 25.8579, 0.5516, 0.3788 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 25.8579, 0.5516, 0.3788 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 25.8579, 0.5516, 0.3788

Background



This preview shows how black text looks on a background with the Yxy color 25.8579, 0.5516, 0.3788.



This preview shows how white text looks on a background with the Yxy color 25.8579, 0.5516, 0.3788.

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

25.8579, 0.5516, 0.3788

Protanopia

26.0375, 0.4200, 0.4630

Deuteranopia

25.7868, 0.4663, 0.4574



Tritanopia

25.8598, 0.4957, 0.3234

Trichromacy



Original Color

25.8579, 0.5516, 0.3788

Protanomaly

24.9164, 0.4711, 0.4297

Deuteranomaly

25.2478, 0.5007, 0.4260

Tritanomaly

25.6830, 0.5212, 0.3469

Monochromacy



Original Color

25.8579, 0.5516, 0.3788

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.2722, 0.4030, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8579, 0.5516, 0.3788 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(231, 98, 37)` looks like.

```
.text, #text, p{  
    color:rgb(231, 98, 37)  
}
```

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(231, 98, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 98, 37) }
```

Border

The CSS property to change the border of an element to Yxy 25.8579, 0.5516, 0.3788 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(231, 98, 37) }
```

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

```
.border{ border-color:rgb(231, 98, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 98, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 98, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 98, 37);  
box-shadow:4px 4px 4px 4px rgb(231, 98,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8579, 0.5516, 0.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 98, 37) }
```

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

```
.background{ background-color: rgb(231, 98,  
37) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor