

Converting Colors

$Y_{xy}(29.2269, 0.5314, 0.3756)$

Have a look what the booklet for
Yxy(29.2269, 0.5314, 0.3756)
contains.

Yxy(29.1878, 0.5319, 0.3755)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.1878, 0.5319, 0.3755)

Conversions

Conversions Part 1

Format	Color
Hex	EE6C38
RGB	238, 108, 56
RGB Percent	93%, 42%, 22%
CMY	0.0665, 0.5765, 0.7803
CMYK	0.00, 0.55, 0.76, 0.07
HSL	17°, 84%, 58%
HSV	17°, 76%, 93%
XYZ	41.3448, 29.1878, 7.1978
YIQ	140.9420, 94.1720, 11.3880

Conversions

Conversions Part 2

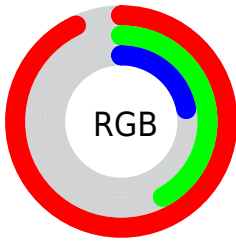
Format	Color
R _Y B	238, 129, 56
Decimal	15625272
CIE Lab	60.95, 47.18, 51.80
CIE LCh	61, 70.064, 47.672
Yxy	29.1878, 0.5319, 0.3755
Android (android.graphics.Color)	4293815352 (0xFFEE6C38)
YUV	140.9420, -41.8764, 85.1199
Hunter-Lab	54.0257, 42.0576, 29.9188

Details

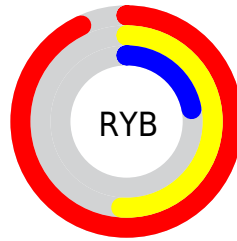
The Yxy color **29.1878, 0.5319, 0.3755** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **42.1625, 0.2112, 0.2570**, and the grayscale version is **26.7511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1413, 0.4547, 0.3856**, and **11.8529, 0.5904, 0.3671** is the 20% darker color. If you saturate the color by 10%, you get **25.7657, 0.5665, 0.3717**, and if you desaturate by 10%, it is **33.4234, 0.4940, 0.3749**.

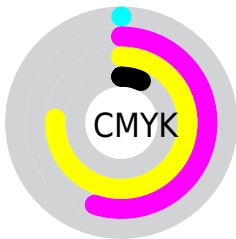
Distribution



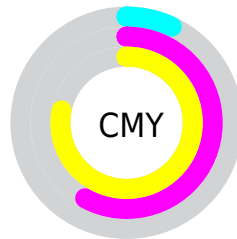
- Red (93%)
- Green (42%)
- Blue (22%)



- Red (93%)
- Yellow (51%)
- Blue (22%)



- Cyan (0%)
- Magenta (55%)
- Yellow (76%)
- Black (7%)





- Cyan (7%)
- Magenta (58%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1878, 0.5319, 0.3755 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 29.1878, 0.5319, 0.3755 by changing the saturation by 10% instead.


 29.1878, 0.5319,
0.3755

 29.1878, 0.5319,
0.3755


298.1000, 0.4181,
0.3636


 19.2229, 0.5587,
0.3732


 58.3753, 0.4911,
0.3748


 11.8315, 0.5910,
0.3669


 78.3668, 0.4754,
0.3734


 6.6290, 0.6368,
0.3573


 102.4692, 0.4621,
0.3718

 3.2312, 0.6743,
0.3257

 131.0670, 0.4508,
0.3700

 1.2536, 0.7255,
0.2745

 164.5446, 0.4409,
0.3683

 0.1048, 0.9265,
0.0735

 203.2864, 0.4323,

 0.0000, 1.0000,

0.3667

0.0000

247.6767, 0.4248,
0.3651

■ 0.0000, 0.0000,
0.0000

■ 29.1878, 0.5319,
0.3755

■ 29.1878, 0.5319,
0.3755

■ 25.7657, 0.5665,
0.3717

■ 33.4234, 0.4940,
0.3749

■ 23.0941, 0.5941,
0.3633


■ 38.5192, 0.4565,
0.3708

■ 22.3118, 0.6023,
0.3599

■ 44.5235, 0.4218,
0.3645


■ 51.4794, 0.3911,
0.3569

■ 59.4271, 0.3646,
0.3490

 68.4045, 0.3421,
0.3411

 78.4474, 0.3233,
0.3336

 89.5897, 0.3074,
0.3266

 96.9228, 0.3024,
0.3290

Harmonies

Analogous

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



29.1878, 0.5005, 0.3037



29.1878, 0.5319, 0.3755



29.1878, 0.4913, 0.4528

Triad

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



29.1878, 0.5319, 0.3755



29.1878, 0.2125, 0.4473



29.1878, 0.1960, 0.1711

Complementary

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



29.1878, 0.5319, 0.3755



42.1625, 0.2112, 0.2570

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.



29.1878, 0.1472, 0.1779



29.1878, 0.5319, 0.3755



29.1878, 0.1520, 0.3139

Square

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



29.1878, 0.5319, 0.3755



29.1878, 0.3066, 0.5369



29.1878, 0.1325, 0.2209



29.1878, 0.2835, 0.1930

Rectangle

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



29.1878, 0.5319, 0.3755



29.1878, 0.4383, 0.5025



29.1878, 0.1325, 0.2209



29.1878, 0.1756, 0.1700

Sweetspot

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



29.1894, 0.5319, 0.3755



72.8974, 0.3566, 0.3463



24.5774, 0.3824, 0.2061



14.8209, 0.3652, 0.3492



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.



29.1894, 0.5319, 0.3755



28.1895, 0.5838, 0.3673



59.1294, 0.4412, 0.4633



16.4937, 0.3286, 0.3358



12.6344, 0.5996, 0.3621



1.2147, 0.5738, 0.3826

Inverse Universe

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



42.1625, 0.2112, 0.2570



43.3493, 0.2010, 0.2398



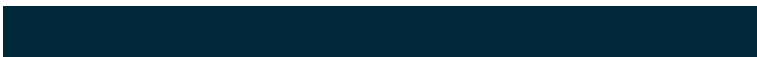
15.2823, 0.1778, 0.1282



17.1219, 0.2981, 0.3221



19.7258, 0.1982, 0.2334



1.8097, 0.2021, 0.2475

Previews

White Background



This preview shows how the Yxy color 29.1878, 0.5319, 0.3755 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 29.1878, 0.5319, 0.3755 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 29.1878, 0.5319, 0.3755

Background



This preview shows how black text looks on a background with the Yxy color 29.1878, 0.5319, 0.3755.



This preview shows how white text looks on a background with the Yxy color 29.1878, 0.5319, 0.3755.

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

29.1878, 0.5319, 0.3755

Protanopia

29.4897, 0.4072, 0.4456

Deuteranopia

29.2757, 0.4534, 0.4440



Tritanopia

29.1321, 0.4807, 0.3223

Trichromacy



Original Color

29.1878, 0.5319, 0.3755

Protanomaly

28.2216, 0.4550, 0.4169

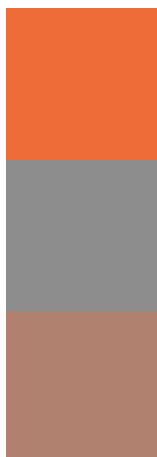
Deuteranomaly

28.5060, 0.4848, 0.4163

Tritanomaly

28.9895, 0.5022, 0.3434

Monochromacy



Original Color

29.1878, 0.5319, 0.3755

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.0564, 0.3919, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1878, 0.5319, 0.3755 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(238, 108, 56)` looks like.

```
.text, #text, p{  
    color:rgb(238, 108, 56)  
}
```

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(238, 108, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 108, 56) }
```

Border

The CSS property to change the border of an element to Yxy 29.1878, 0.5319, 0.3755 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(238, 108, 56) }
```

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

```
.border{ border-color:rgb(238, 108, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 108, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 108, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 108, 56);  
box-shadow:4px 4px 4px 4px rgb(238, 108,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1878, 0.5319, 0.3755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 108, 56) }
```

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

```
.background{ background-color: rgb(238,  
108, 56) }
```

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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