

Converting Colors

$Y_{xy}(29.3487, 0.5615, 0.3867)$

Have a look what the booklet for
Yxy(29.3487, 0.5615, 0.3867)
contains.

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Color

$\text{Yxy}(29.3536, 0.5619, 0.3862)$

Conversions

Conversions Part 1

Format	Color
Hex	F56811
RGB	245, 104, 17
RGB Percent	96%, 41%, 7%
CMY	0.0392, 0.5921, 0.9334
CMYK	0.00, 0.58, 0.93, 0.04
HSL	23°, 92%, 51%
HSV	23°, 93%, 96%
XYZ	42.7079, 29.3536, 3.9447
YIQ	136.2410, 111.9630, 2.8350

Conversions

Conversions Part 2

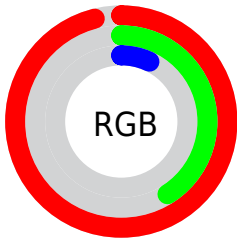
Format	Color
R_{YB}	245, 158, 17
Decimal	16082961
CIE _{Lab}	61.09, 50.67, 66.74
CIE _{LCh}	61, 83.796, 52.793
Yxy	29.3536, 0.5619, 0.3862
Android (android.graphics.Color)	4294273041 (0xFFFF56811)
YUV	136.2410, -58.7858, 95.3816
Hunter-Lab	54.1790, 45.8938, 33.6084

Details

The Yxy color **29.3536, 0.5619, 0.3862** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **31.1605, 0.1917, 0.2064**, and the grayscale version is **24.9103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5643, 0.4807, 0.4077**, and **12.0204, 0.6028, 0.3595** is the 20% darker color. If you saturate the color by 10%, you get **27.3293, 0.5778, 0.3794**, and if you desaturate by 10%, it is **32.8075, 0.5344, 0.3924**.

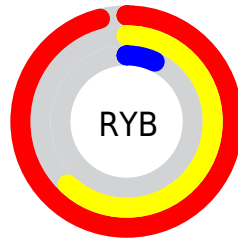
Distribution



Red (96%)

Green (41%)

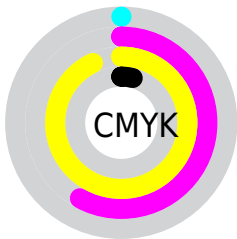
Blue (7%)



Red (96%)

Yellow (62%)

Blue (7%)

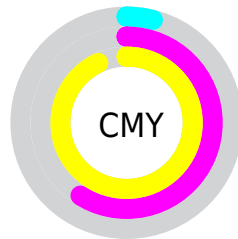


Cyan (0%)

Magenta (58%)

Yellow (93%)

Black (4%)



Cyan (4%)


Magenta (59%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3536, 0.5619, 0.3862 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 29.3536, 0.5619, 0.3862 by changing the saturation by 10% instead.


 29.3536, 0.5619,
0.3862


 29.3536, 0.5619,
0.3862


298.8797, 0.4383,
0.3760

 19.3485, 0.5877,
0.3809


 58.6384, 0.5199,
0.3882


 11.9223, 0.6194,
0.3716


 78.6869, 0.5030,
0.3872


 6.6908, 0.6497,
0.3503


 102.8520, 0.4884,
0.3856

 3.2695, 0.6846,
0.3154

 131.5180, 0.4757,
0.3838

 1.2740, 0.7370,
0.2630

 165.0694, 0.4645,
0.3818

 0.1209, 0.9236,
0.0764

 203.8905, 0.4547,


 0.0000, 1.0000,

0.3798


0.0000


 248.3658, 0.4460,
0.3779

 0.0000, 0.0000,
0.0000


 29.3536, 0.5619,
0.3862


 29.3536, 0.5619,
0.3862


 27.3293, 0.5778,
0.3794

 32.8075, 0.5344,
0.3924

 36.9414, 0.5025,
0.3932

 41.7994, 0.4690,
0.3894

 47.4194, 0.4363,
0.3822

 53.8361, 0.4061,
0.3729

61.0818, 0.3790,
0.3626

69.1868, 0.3553,
0.3520

78.1795, 0.3350,
0.3417

88.0873, 0.3175,
0.3319

Harmonies

Analogous

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



29.3536, 0.5476, 0.3077



29.3536, 0.5619, 0.3862



29.3536, 0.4968, 0.4760

Triad

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



29.3536, 0.5619, 0.3862



29.3536, 0.1780, 0.4442



29.3536, 0.1916, 0.1524

Complementary

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



29.3536, 0.5619, 0.3862



31.1605, 0.1917, 0.2064

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.



29.3536, 0.1320, 0.1529



29.3536, 0.5619, 0.3862



29.3536, 0.1218, 0.2835

Square

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



29.3536, 0.5619, 0.3862



29.3536, 0.2783, 0.5737



29.3536, 0.1098, 0.1898



29.3536, 0.2984, 0.1813

Rectangle

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



29.3536, 0.5619, 0.3862



29.3536, 0.4296, 0.5370



29.3536, 0.1098, 0.1898



29.3536, 0.1669, 0.1492

Sweetspot

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



29.3553, 0.5619, 0.3862



71.2173, 0.3667, 0.3573



22.4005, 0.4320, 0.2183



14.4410, 0.3773, 0.3618



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.



29.3553, 0.5619, 0.3862



29.8680, 0.5781, 0.3791



67.8500, 0.4420, 0.4841



17.5191, 0.3284, 0.3381



14.9696, 0.5749, 0.3818



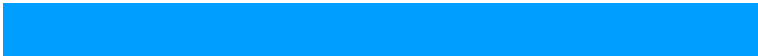
1.5077, 0.5515, 0.4003

Inverse Universe

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



31.1605, 0.1917, 0.2064



31.5660, 0.1878, 0.1962



8.7764, 0.1561, 0.0772



17.6334, 0.2980, 0.3197



15.8379, 0.1886, 0.1988



1.5901, 0.1936, 0.2169

Previews

White Background



This preview shows how the Yxy color 29.3536, 0.5619, 0.3862 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 29.3536, 0.5619, 0.3862 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 29.3536, 0.5619, 0.3862

Background



This preview shows how black text looks on a background with the Yxy color 29.3536, 0.5619, 0.3862.



This preview shows how white text looks on a background with the Yxy color 29.3536, 0.5619, 0.3862.

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

29.3536, 0.5619, 0.3862

Protanopia

29.3805, 0.4322, 0.4783

Deuteranopia

29.3210, 0.4721, 0.4634



Tritanopia

29.4851, 0.4990, 0.3238

Trichromacy



Original Color

29.3536, 0.5619, 0.3862

Protanomaly

28.1748, 0.4846, 0.4414

Deuteranomaly

28.6018, 0.5084, 0.4323

Tritanomaly

29.3564, 0.5317, 0.3541

Monochromacy



Original Color

29.3536, 0.5619, 0.3862

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.4357, 0.4157, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3536, 0.5619, 0.3862 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(245, 104, 17)` looks like.

```
.text, #text, p{  
    color:rgb(245, 104, 17)  
}
```

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(245, 104, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 104, 17) }
```

Border

The CSS property to change the border of an element to Yxy 29.3536, 0.5619, 0.3862 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(245, 104, 17) }
```

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

```
.border{ border-color:rgb(245, 104, 17) }
```

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

Here you see how a box with a 4 pixel rgb(245, 104, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 104, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 104, 17);  
box-shadow:4px 4px 4px 4px rgb(245, 104,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3536, 0.5619, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 104, 17) }
```

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

```
.background{ background-color: rgb(245,  
104, 17) }
```

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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