

Converting Colors

$Yxy(28.3710, 0.5585, 0.3947)$

Have a look what the booklet for
Yxy(28.3710, 0.5585, 0.3947)
contains.

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Color

Yxy(28.3126, 0.5586, 0.3946)

Conversions

Conversions Part 1

Format	Color
Hex	ED6A00
RGB	237, 106, 0
RGB Percent	93%, 42%, 0%
CMY	0.0706, 0.5843, 0.9992
CMYK	0.00, 0.55, 1.00, 0.07
HSL	27°, 100%, 47%
HSV	27°, 100%, 93%
XYZ	40.0796, 28.3126, 3.3579
YIQ	133.0850, 112.1020, -5.1940

Conversions

Conversions Part 2

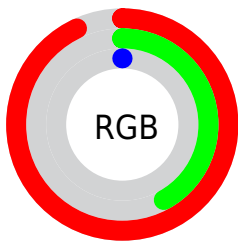
Format	Color
R_{YB}	237, 192, 0
Decimal	15559168
CIE _{Lab}	60.17, 46.62, 68.61
CIE _{LCh}	60, 82.951, 55.802
Yxy	28.3126, 0.5586, 0.3946
Android (android.graphics.Color)	4293749248 (0xFFED6A00)
YUV	133.0850, -65.6109, 91.1335
Hunter-Lab	53.2096, 41.3367, 33.5051

Details

The Yxy color **28.3126, 0.5586, 0.3946** 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 **22.3985, 0.1816, 0.1736**, and the grayscale version is **23.7106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8190, 0.4842, 0.4133**, and **11.4304, 0.5938, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **28.2913, 0.5588, 0.3945**, and if you desaturate by 10%, it is **31.2913, 0.5367, 0.4028**.

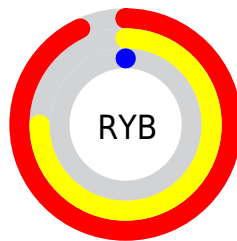
Distribution



Red (93%)

Green (42%)

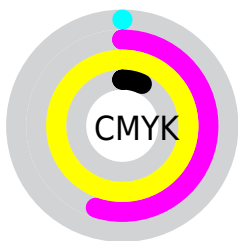
Blue (0%)



Red (93%)

Yellow (75%)

Blue (0%)

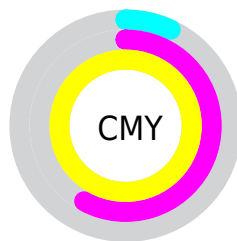


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3126, 0.5586, 0.3946 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 28.3126, 0.5586, 0.3946 by changing the saturation by 10% instead.


 28.3126, 0.5586,
0.3946


 28.3126, 0.5586,
0.3946


293.9576, 0.4371,
0.3806

 18.5614, 0.5834,
0.3897


 56.9831, 0.5177,
0.3956

 11.3538, 0.6162,
0.3822

 76.6713, 0.5011,
0.3941


 6.3053, 0.6412,
0.3588


 100.4406, 0.4867,
0.3920

 3.0316, 0.6757,
0.3243

 128.6754, 0.4741,
0.3897

 1.1483, 0.7285,
0.2715

 161.7601, 0.4631,
0.3874


 0.0188, 0.9845,
0.0155

 200.0791, 0.4534,


 0.0000, 1.0000,


0.3850


0.0000


 244.0168, 0.4448,
0.3828

 0.0000, 0.0000,
0.0000


 28.3126, 0.5586,
0.3946


 28.3126, 0.5586,
0.3946


 28.2913, 0.5588,
0.3945

 31.2913, 0.5367,
0.4028

 34.7785, 0.5105,
0.4060

 38.8169, 0.4811,
0.4038

 43.4369, 0.4508,
0.3973

 48.6655, 0.4214,
0.3877

■ 54.5278, 0.3942,
0.3763

■ 61.0471, 0.3696,
0.3641

■ 68.2453, 0.3479,
0.3519

■ 76.1430, 0.3290,
0.3401

Harmonies

Analogous

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



28.3126, 0.5540, 0.3152



28.3126, 0.5586, 0.3946



28.3126, 0.4876, 0.4856

Triad

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



28.3126, 0.5586, 0.3946



28.3126, 0.1698, 0.4269



28.3126, 0.1999, 0.1538

Complementary

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



28.3126, 0.5586, 0.3946



22.3985, 0.1816, 0.1736

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.



28.3126, 0.1359, 0.1512



28.3126, 0.5586, 0.3946



28.3126, 0.1186, 0.2707

Square

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



28.3126, 0.5586, 0.3946



28.3126, 0.2669, 0.5673



28.3126, 0.1103, 0.1837



28.3126, 0.3117, 0.1856

Rectangle

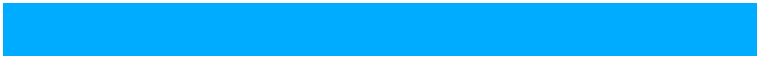
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.3126, 0.5586, 0.3946



28.3126, 0.4187, 0.5455



28.3126, 0.1103, 0.1837



28.3126, 0.1736, 0.1496

Sweetspot

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



28.3142, 0.5586, 0.3946



71.9235, 0.3701, 0.3644



19.7404, 0.4705, 0.2366



14.6779, 0.3801, 0.3696



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.



28.3142, 0.5586, 0.3946



33.2817, 0.5594, 0.3940



69.8291, 0.4316, 0.4954



16.1622, 0.3282, 0.3396



15.6997, 0.5560, 0.3967



1.4222, 0.5324, 0.4155

Inverse Universe

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



22.3985, 0.1816, 0.1736



26.2867, 0.1814, 0.1728



6.4857, 0.1509, 0.0633



15.9306, 0.2981, 0.3182



12.4815, 0.1823, 0.1761



1.1717, 0.1887, 0.1991

Previews

White Background



This preview shows how the Yxy color 28.3126, 0.5586, 0.3946 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 28.3126, 0.5586, 0.3946 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 28.3126, 0.5586, 0.3946

Background



This preview shows how black text looks on a background with the Yxy color 28.3126, 0.5586, 0.3946.



This preview shows how white text looks on a background with the Yxy color 28.3126, 0.5586, 0.3946.

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

28.3126, 0.5586, 0.3946

Protanopia

28.5082, 0.4351, 0.4820

Deuteranopia

28.3673, 0.4717, 0.4637



Tritanopia

28.4689, 0.4880, 0.3235

Trichromacy



Original Color

28.3126, 0.5586, 0.3946

Protanomaly

27.3407, 0.4854, 0.4471

Deuteranomaly

27.6182, 0.5066, 0.4360

Tritanomaly

28.2587, 0.5289, 0.3613

Monochromacy



Original Color

28.3126, 0.5586, 0.3946

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.4797, 0.4198, 0.3863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3126, 0.5586, 0.3946 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(237, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 106, 0)  
}
```

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(237, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 106, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.3126, 0.5586, 0.3946 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(237, 106, 0) }
```

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

```
.border{ border-color:rgb(237, 106, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 106, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 106,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3126, 0.5586, 0.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 106, 0) }
```

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

```
.background{ background-color: rgb(237,  
106, 0) }
```

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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