

Converting Colors

$Y_{xy}(27.5998, 0.5571, 0.3959)$

Have a look what the booklet for
Yxy(27.5998, 0.5571, 0.3959)
contains.

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Color

Yxy(27.6317, 0.5562, 0.3965)

Conversions

Conversions Part 1

Format	Color
Hex	E96A00
RGB	233, 106, 0
RGB Percent	91%, 42%, 0%
CMY	0.0862, 0.5843, 0.9992
CMYK	0.00, 0.55, 1.00, 0.09
HSL	27°, 100%, 46%
HSV	27°, 100%, 91%
XYZ	38.7610, 27.6317, 3.2963
YIQ	131.8890, 109.7180, -6.0420

Conversions

Conversions Part 2

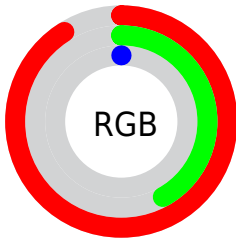
Format	Color
R_{YB}	233, 194, 0
Decimal	15297024
CIE _{Lab}	59.55, 45.12, 67.93
CIE _{LCh}	60, 81.552, 56.409
Yxy	27.6317, 0.5562, 0.3965
Android (android.graphics.Color)	4293487104 (0xFFE96A00)
YUV	131.8890, -65.0213, 88.6743
Hunter-Lab	52.5659, 39.6321, 33.0782

Details

The Yxy color **27.6317, 0.5562, 0.3965** 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 **21.1192, 0.1809, 0.1711**, and the grayscale version is **23.2506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8069, 0.4848, 0.4139**, and **11.0733, 0.5902, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **27.6095, 0.5564, 0.3964**, and if you desaturate by 10%, it is **30.5138, 0.5346, 0.4045**.

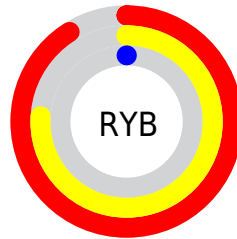
Distribution



Red (91%)

Green (42%)

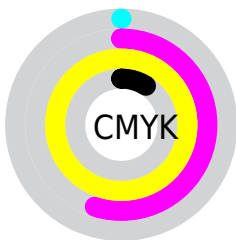
Blue (0%)



Red (91%)

Yellow (76%)

Blue (0%)

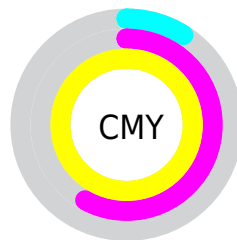


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6317, 0.5562, 0.3965 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 27.6317, 0.5562, 0.3965 by changing the saturation by 10% instead.

 27.6317, 0.5562,
0.3965


 27.6317, 0.5562,
0.3965


290.7028, 0.4353,
0.3811

 18.0482, 0.5810,
0.3919


 55.8959, 0.5153,
0.3969

 10.9846, 0.6143,
0.3851


 75.3454, 0.4988,
0.3952

 6.0565, 0.6387,
0.3613


 98.8523, 0.4845,
0.3930

 2.8795, 0.6733,
0.3267

 126.8012, 0.4720,
0.3906

 1.0691, 0.7269,
0.2731

 159.5762, 0.4611,
0.3881


 0.0000, 1.0000,
0.0000


 197.5619, 0.4515,


 0.0000, 0.0000,


0.3857


0.0000


 241.1427, 0.4429,
0.3833


 27.6317, 0.5562,
0.3965


 27.6317, 0.5562,
0.3965


 27.6095, 0.5564,
0.3964

 30.5138, 0.5346,
0.4045

 33.8752, 0.5086,
0.4074

 37.7561, 0.4797,
0.4051

 42.1849, 0.4498,
0.3983

 47.1871, 0.4207,
0.3886

■ 52.7860, 0.3937,
0.3770

■ 59.0034, 0.3693,
0.3647

■ 65.8597, 0.3478,
0.3523

■ 73.3745, 0.3289,
0.3403

Harmonies

Analogous

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



27.6317, 0.5531, 0.3171



27.6317, 0.5562, 0.3965



27.6317, 0.4850, 0.4870

Triad

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



27.6317, 0.5562, 0.3965



27.6317, 0.1695, 0.4225



27.6317, 0.2025, 0.1552

Complementary

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



27.6317, 0.5562, 0.3965



21.1192, 0.1809, 0.1711

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.



27.6317, 0.1378, 0.1520



27.6317, 0.5562, 0.3965



27.6317, 0.1193, 0.2689

Square

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



27.6317, 0.5562, 0.3965



27.6317, 0.2654, 0.5633



27.6317, 0.1116, 0.1837



27.6317, 0.3145, 0.1874

Rectangle

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



27.6317, 0.5562, 0.3965



27.6317, 0.4163, 0.5458



27.6317, 0.1116, 0.1837



27.6317, 0.1760, 0.1508

Sweetspot

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



27.6333, 0.5562, 0.3965



72.2160, 0.3699, 0.3650



18.8943, 0.4774, 0.2404



14.7468, 0.3799, 0.3702



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.



27.6333, 0.5562, 0.3965



33.7233, 0.5572, 0.3958



69.2321, 0.4284, 0.4980



16.1816, 0.3281, 0.3397



15.9060, 0.5538, 0.3985



1.4390, 0.5305, 0.4170

Inverse Universe

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



21.1192, 0.1809, 0.1711



25.7197, 0.1806, 0.1702



6.1442, 0.1507, 0.0624



15.9109, 0.2981, 0.3180



12.2193, 0.1815, 0.1735



1.1514, 0.1880, 0.1968

Previews

White Background



This preview shows how the Yxy color 27.6317, 0.5562, 0.3965 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 27.6317, 0.5562, 0.3965 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 27.6317, 0.5562, 0.3965

Background



This preview shows how black text looks on a background with the Yxy color 27.6317, 0.5562, 0.3965.



This preview shows how white text looks on a background with the Yxy color 27.6317, 0.5562, 0.3965.

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

27.6317, 0.5562, 0.3965

Protanopia

27.6820, 0.4355, 0.4821

Deuteranopia

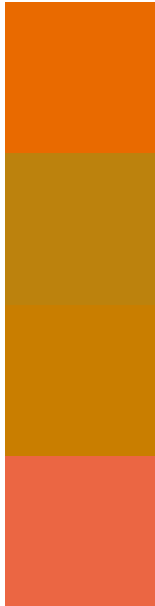
27.8364, 0.4709, 0.4643



Tritanopia

27.7765, 0.4843, 0.3233

Trichromacy



Original Color

27.6317, 0.5562, 0.3965

Protanomaly

26.6857, 0.4840, 0.4485

Deuteranomaly

27.3392, 0.5048, 0.4374

Tritanomaly

27.5702, 0.5258, 0.3622

Monochromacy



Original Color

27.6317, 0.5562, 0.3965

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.2410, 0.4185, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6317, 0.5562, 0.3965 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(233, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 106, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.6317, 0.5562, 0.3965 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(233, 106, 0) }
```

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

```
.border{ border-color:rgb(233, 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(233, 106, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 106,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6317, 0.5562, 0.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 106, 0) }
```

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

```
.background{ background-color: rgb(233,  
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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