

Converting Colors

$Yxy(29.5157, 0.5537, 0.3966)$

Have a look what the booklet for
Yxy(29.5157, 0.5537, 0.3966)
contains.

Yxy(29.5157, 0.5537, 0.3966)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.5157, 0.5537, 0.3966)

Conversions

Conversions Part 1

Format	Color
Hex	EF6E06
RGB	239, 110, 6
RGB Percent	94%, 43%, 2%
CMY	0.0627, 0.5686, 0.9763
CMYK	0.00, 0.54, 0.97, 0.06
HSL	27°, 95%, 48%
HSV	27°, 97%, 94%
XYZ	41.2074, 29.5157, 3.6988
YIQ	136.7150, 110.2680, -4.9960

Conversions

Conversions Part 2

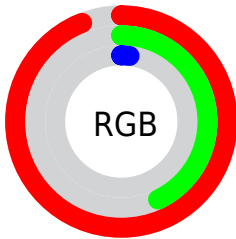
Format	Color
R_{YB}	239, 194, 6
Decimal	15691270
CIE _{Lab}	61.23, 45.52, 68.39
CIE _{LCh}	61, 82.154, 56.351
Yxy	29.5157, 0.5537, 0.3966
Android (android.graphics.Color)	4293881350 (0xFFEF6E06)
YUV	136.7150, -64.4425, 89.7039
Hunter-Lab	54.3284, 40.3154, 33.9933

Details

The Yxy color **29.5157, 0.5537, 0.3966** 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 **23.6146, 0.1831, 0.1777**, and the grayscale version is **25.1227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2659, 0.4787, 0.4151**, and **12.0402, 0.5890, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **28.7947, 0.5590, 0.3943**, and if you desaturate by 10%, it is **32.6702, 0.5310, 0.4039**.

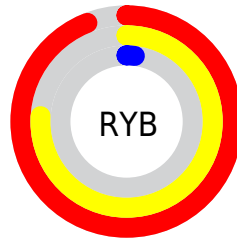
Distribution



Red (94%)

Green (43%)

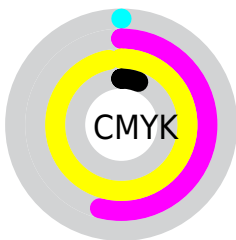
Blue (2%)



Red (94%)

Yellow (76%)

Blue (2%)

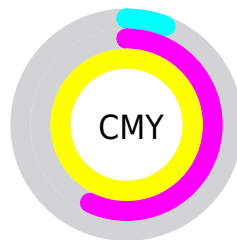


Cyan (0%)

Magenta (54%)

Yellow (97%)

Black (6%)



Cyan (6%)


Magenta (57%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5157, 0.5537, 0.3966 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 29.5157, 0.5537, 0.3966 by changing the saturation by 10% instead.


 29.5157, 0.5537,
0.3966


 29.5157, 0.5537,
0.3966


299.6405, 0.4350,
0.3809

 19.4713, 0.5780,
0.3925


 58.8954, 0.5137,
0.3967


 12.0113, 0.6086,
0.3853


 78.9995, 0.4975,
0.3949


 6.7514, 0.6352,
0.3648


 103.2257, 0.4835,
0.3927

 3.3071, 0.6678,
0.3322

 131.9582, 0.4712,
0.3903

 1.2941, 0.7175,
0.2825

 165.5816, 0.4604,
0.3878


 0.1366, 0.9054,
0.0946

 204.4801, 0.4509,


 0.0000, 1.0000,


0.3854

0.0000


 249.0383, 0.4425,
0.3831


 0.0000, 0.0000,
0.0000


 29.5157, 0.5537,
0.3966


 29.5157, 0.5537,
0.3966

 28.7947, 0.5590,
0.3943

 32.6702, 0.5310,
0.4039

 36.3586, 0.5037,
0.4058

 40.6181, 0.4739,
0.4025

 45.4787, 0.4436,
0.3951

 50.9677, 0.4146,
0.3850

■ 57.1102, 0.3879,
0.3733

■ 63.9296, 0.3640,
0.3611

■ 71.4480, 0.3430,
0.3490

■ 79.6864, 0.3247,
0.3373

Harmonies

Analogous

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



29.5157, 0.5498, 0.3177



29.5157, 0.5537, 0.3966



29.5157, 0.4840, 0.4860

Triad

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



29.5157, 0.5537, 0.3966



29.5157, 0.1715, 0.4215



29.5157, 0.2036, 0.1569

Complementary

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



29.5157, 0.5537, 0.3966



23.6146, 0.1831, 0.1777

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.



29.5157, 0.1395, 0.1539



29.5157, 0.5537, 0.3966



29.5157, 0.1214, 0.2703

Square

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



29.5157, 0.5537, 0.3966



29.5157, 0.2668, 0.5595



29.5157, 0.1135, 0.1856



29.5157, 0.3144, 0.1888

Rectangle

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



29.5157, 0.5537, 0.3966



29.5157, 0.4163, 0.5435



29.5157, 0.1135, 0.1856



29.5157, 0.1773, 0.1525

Sweetspot

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



29.5174, 0.5537, 0.3966



72.7160, 0.3677, 0.3631



20.3198, 0.4657, 0.2351



14.8315, 0.3778, 0.3684



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.



29.5174, 0.5537, 0.3966



33.2469, 0.5596, 0.3939



71.3951, 0.4309, 0.4950



16.9200, 0.3282, 0.3396



16.1647, 0.5563, 0.3965



1.5403, 0.5339, 0.4143

Inverse Universe

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



23.6146, 0.1831, 0.1777



26.3322, 0.1814, 0.1730



6.8293, 0.1519, 0.0651



16.6803, 0.2980, 0.3182



12.8824, 0.1823, 0.1762



1.2700, 0.1883, 0.1980

Previews

White Background



This preview shows how the Yxy color 29.5157, 0.5537, 0.3966 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 29.5157, 0.5537, 0.3966 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 29.5157, 0.5537, 0.3966

Background



This preview shows how black text looks on a background with the Yxy color 29.5157, 0.5537, 0.3966.



This preview shows how white text looks on a background with the Yxy color 29.5157, 0.5537, 0.3966.

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

29.5157, 0.5537, 0.3966

Protanopia

29.7722, 0.4346, 0.4821

Deuteranopia

29.6145, 0.4708, 0.4644



Tritanopia

29.4841, 0.4826, 0.3224

Trichromacy



Original Color

29.5157, 0.5537, 0.3966

Protanomaly

28.7059, 0.4812, 0.4491

Deuteranomaly

29.0915, 0.5034, 0.4378

Tritanomaly

29.2718, 0.5227, 0.3600

Monochromacy



Original Color

29.5157, 0.5537, 0.3966

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.8987, 0.4157, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5157, 0.5537, 0.3966 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(239, 110, 6)` looks like.

```
.text, #text, p{  
    color:rgb(239, 110, 6)  
}
```

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(239, 110, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 110, 6) }
```

Border

The CSS property to change the border of an element to Yxy 29.5157, 0.5537, 0.3966 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(239, 110, 6) }
```

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

```
.border{ border-color:rgb(239, 110, 6) }
```

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

Here you see how a box with a 4 pixel rgb(239, 110, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 110, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 110, 6);  
box-shadow:4px 4px 4px 4px rgb(239, 110,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5157, 0.5537, 0.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 110, 6) }
```

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

```
.background{ background-color: rgb(239,  
110, 6) }
```

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