

Converting Colors

$Y_{xy}(27.0651, 0.5680, 0.3872)$

Have a look what the booklet for
Yxy(27.0651, 0.5680, 0.3872)
contains.

Yxy(27.1008, 0.5678, 0.3874)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(27.1008, 0.5678, 0.3874)

Conversions

Conversions Part 1

Format	Color
Hex	EE6300
RGB	238, 99, 0
RGB Percent	93%, 39%, 0%
CMY	0.0667, 0.6117, 1.0000
CMYK	0.00, 0.58, 1.00, 0.07
HSL	25°, 100%, 47%
HSV	25°, 100%, 93%
XYZ	39.7208, 27.1008, 3.1340
YIQ	129.2750, 114.6230, -1.3210

Conversions

Conversions Part 2

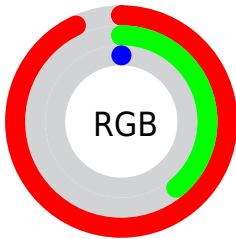
Format	Color
R_{YB}	238, 170, 0
Decimal	15622912
CIE _{Lab}	59.07, 50.25, 68.13
CIE _{LCh}	59, 84.662, 53.589
Yxy	27.1008, 0.5678, 0.3874
Android (android.graphics.Color)	4293812992 (0xFFEE6300)
YUV	129.2750, -63.7326, 95.3518
Hunter-Lab	52.0584, 45.0940, 32.8715

Details

The Yxy color **27.1008, 0.5678, 0.3874** 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 **24.6340, 0.1845, 0.1843**, and the grayscale version is **22.2545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4477, 0.4915, 0.4072**, and **10.8000, 0.6063, 0.3567** is the 20% darker color. If you saturate the color by 10%, you get **27.1026, 0.5678, 0.3874**, and if you desaturate by 10%, it is **30.0321, 0.5449, 0.3961**.

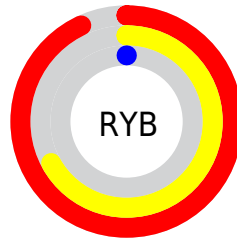
Distribution



Red (93%)

Green (39%)

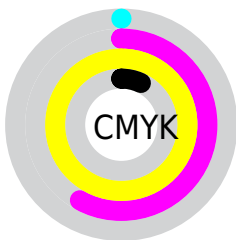
Blue (0%)



Red (93%)

Yellow (67%)

Blue (0%)

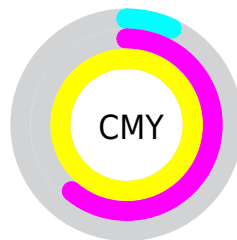


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1008, 0.5678, 0.3874 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 27.1008, 0.5678, 0.3874 by changing the saturation by 10% instead.


 27.1008, 0.5678,
0.3874


 27.1008, 0.5678,
0.3874


288.1448, 0.4409,
0.3780

 17.6489, 0.5938,
0.3811


 55.0456, 0.5249,
0.3903


 10.6982, 0.6284,
0.3716


 74.3073, 0.5076,
0.3895


 5.8643, 0.6546,
0.3454

 97.6077, 0.4925,
0.3879

 2.7627, 0.6922,
0.3078

 125.3313, 0.4794,
0.3861

 1.0092, 0.7493,
0.2507

 157.8624, 0.4679,
0.3840

 0.0000, 1.0000,
0.0000


 195.5854, 0.4578,

 0.0000, 0.0000,


0.3820


0.0000


 238.8848, 0.4489,
0.3800

 27.1008, 0.5678,
0.3874


 27.1008, 0.5678,
0.3874


 27.1026, 0.5678,
0.3874

 30.0321, 0.5449,
0.3961

 33.5162, 0.5173,
0.3999

 37.6004, 0.4863,
0.3985

 42.3183, 0.4546,
0.3927

 47.7005, 0.4240,
0.3839

■ 53.7751, 0.3957,
0.3733

■ 60.5680, 0.3705,
0.3619

■ 68.1040, 0.3484,
0.3505

■ 76.4064, 0.3292,
0.3394

Harmonies

Analogous

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



27.1008, 0.5574, 0.3078



27.1008, 0.5678, 0.3874



27.1008, 0.4975, 0.4801

Triad

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



27.1008, 0.5678, 0.3874



27.1008, 0.1710, 0.4440



27.1008, 0.1902, 0.1484

Complementary

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



27.1008, 0.5678, 0.3874



24.6340, 0.1845, 0.1843

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.



27.1008, 0.1286, 0.1479



27.1008, 0.5678, 0.3874



27.1008, 0.1158, 0.2774

Square

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



27.1008, 0.5678, 0.3874



27.1008, 0.2724, 0.5825



27.1008, 0.1052, 0.1836



27.1008, 0.3011, 0.1786

Rectangle

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



27.1008, 0.5678, 0.3874



27.1008, 0.4274, 0.5440



27.1008, 0.1052, 0.1836



27.1008, 0.1647, 0.1449

Sweetspot

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



27.1026, 0.5678, 0.3874



70.7486, 0.3708, 0.3620



20.1538, 0.4567, 0.2289



14.4019, 0.3811, 0.3669



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.



27.1026, 0.5678, 0.3874



31.5856, 0.5684, 0.3869



66.3700, 0.4383, 0.4901



16.8392, 0.3283, 0.3389



15.3626, 0.5650, 0.3896



1.4700, 0.5415, 0.4083

Inverse Universe

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



24.6340, 0.1845, 0.1843



28.6880, 0.1844, 0.1838



6.8179, 0.1516, 0.0656



16.7626, 0.2980, 0.3189



14.0050, 0.1852, 0.1867



1.3610, 0.1909, 0.2073

Previews

White Background



This preview shows how the Yxy color 27.1008, 0.5678, 0.3874 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 27.1008, 0.5678, 0.3874 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 27.1008, 0.5678, 0.3874

Background



This preview shows how black text looks on a background with the Yxy color 27.1008, 0.5678, 0.3874.



This preview shows how white text looks on a background with the Yxy color 27.1008, 0.5678, 0.3874.

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

27.1008, 0.5678, 0.3874

Protanopia

27.2839, 0.4349, 0.4809

Tritanopia

27.0614, 0.5020, 0.3237

Trichromacy



Original Color

27.1008, 0.5678, 0.3874

Protanomaly

26.0321, 0.4886, 0.4438

Tritanomaly

26.8829, 0.5404, 0.3582

Monochromacy



Original Color

27.1008, 0.5678, 0.3874

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.0011, 0.4251, 0.3839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1008, 0.5678, 0.3874 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, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 99, 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(238, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 99, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.1008, 0.5678, 0.3874 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, 99, 0) }
```

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

```
.border{ border-color:rgb(238, 99, 0) }
```

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

Here you see how a box with a 4 pixel rgb(238, 99, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 99, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 27.1008, 0.5678, 0.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 99, 0) }
```

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

```
.background{ background-color: rgb(238, 99,  
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](#).

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