

Converting Colors

$Y_{xy}(26.7958, 0.5784, 0.3961)$

Have a look what the booklet for
Yxy(26.7958, 0.5784, 0.3961)
contains.

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Color

Yxy(26.9282, 0.5672, 0.3878)

Conversions

Conversions Part 1

Format	Color
Hex	ED6300
RGB	237, 99, 0
RGB Percent	93%, 39%, 0%
CMY	0.0706, 0.6117, 0.9996
CMYK	0.00, 0.58, 1.00, 0.07
HSL	25°, 100%, 46%
HSV	25°, 100%, 93%
XYZ	39.3854, 26.9282, 3.1247
YIQ	128.9760, 114.0270, -1.5330

Conversions

Conversions Part 2

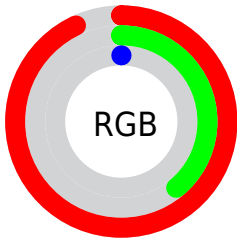
Format	Color
R_{YB}	237, 170, 0
Decimal	15557376
CIE _{Lab}	58.91, 49.89, 67.92
CIE _{LCh}	59, 84.272, 53.702
Yxy	26.9282, 0.5672, 0.3878
Android (android.graphics.Color)	4293747456 (0xFFED6300)
YUV	128.9760, -63.5852, 94.7370
Hunter-Lab	51.8924, 44.6668, 32.7545

Details

The Yxy color **26.9282, 0.5672, 0.3878** 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 **24.3157, 0.1844, 0.1839**, and the grayscale version is **22.1476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4358, 0.4921, 0.4078**, and **10.6856, 0.6060, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **26.9177, 0.5673, 0.3878**, and if you desaturate by 10%, it is **29.8380, 0.5444, 0.3965**.

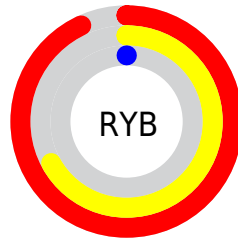
Distribution



Red (93%)

Green (39%)

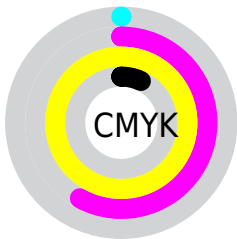
Blue (0%)



Red (93%)

Yellow (67%)

Blue (0%)

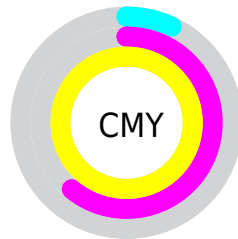


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9282, 0.5672, 0.3878 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 26.9282, 0.5672, 0.3878 by changing the saturation by 10% instead.

 26.9282, 0.5672,
0.3878


 26.9282, 0.5672,
0.3878


287.3093, 0.4404,
0.3781

 17.5193, 0.5932,
0.3815


 54.7686, 0.5243,
0.3906


 10.6054, 0.6279,
0.3721


 73.9690, 0.5070,
0.3897


 5.8022, 0.6541,
0.3459


 97.2019, 0.4920,
0.3881

 2.7252, 0.6917,
0.3083

 124.8518, 0.4789,
0.3862

 0.9900, 0.7491,
0.2509

 157.3031, 0.4674,
0.3842

 0.0000, 1.0000,
0.0000


 194.9402, 0.4573,


 0.0000, 0.0000,


0.3821

0.0000

 238.1475, 0.4484,
0.3800


 26.9282, 0.5672,
0.3878

 26.9282, 0.5672,
0.3878


 26.9177, 0.5673,
0.3878

 29.8380, 0.5444,
0.3965

 33.2938, 0.5168,
0.4002

 37.3416, 0.4859,
0.3987

 42.0148, 0.4542,
0.3929

 47.3434, 0.4237,
0.3840

■ 53.3548, 0.3955,
0.3734

■ 60.0749, 0.3703,
0.3620

■ 67.5278, 0.3482,
0.3505

■ 75.7365, 0.3291,
0.3394

Harmonies

Analogous

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



26.9282, 0.5571, 0.3082



26.9282, 0.5672, 0.3878



26.9282, 0.4969, 0.4804

Triad

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



26.9282, 0.5672, 0.3878



26.9282, 0.1710, 0.4430



26.9282, 0.1908, 0.1488

Complementary

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



26.9282, 0.5672, 0.3878



24.3157, 0.1844, 0.1839

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.



26.9282, 0.1291, 0.1482



26.9282, 0.5672, 0.3878



26.9282, 0.1161, 0.2771

Square

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



26.9282, 0.5672, 0.3878



26.9282, 0.2721, 0.5815



26.9282, 0.1055, 0.1837



26.9282, 0.3017, 0.1790

Rectangle

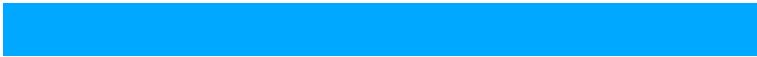
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



26.9282, 0.5672, 0.3878



26.9282, 0.4270, 0.5440



26.9282, 0.1055, 0.1837



26.9282, 0.1652, 0.1452

Sweetspot

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



26.9297, 0.5672, 0.3878



70.8059, 0.3707, 0.3621



19.8488, 0.4635, 0.2327



14.4154, 0.3810, 0.3670



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.



26.9297, 0.5672, 0.3878



31.6655, 0.5680, 0.3872



67.7586, 0.4349, 0.4928



16.0875, 0.3282, 0.3389



14.9430, 0.5644, 0.3900



1.3595, 0.5397, 0.4097

Inverse Universe

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



24.3157, 0.1844, 0.1839



28.5661, 0.1842, 0.1832



6.6096, 0.1512, 0.0643



16.0066, 0.2981, 0.3189



13.5344, 0.1851, 0.1864



1.2521, 0.1911, 0.2080

Previews

White Background



This preview shows how the Yxy color 26.9282, 0.5672, 0.3878 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 26.9282, 0.5672, 0.3878 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 26.9282, 0.5672, 0.3878

Background



This preview shows how black text looks on a background with the Yxy color 26.9282, 0.5672, 0.3878.



This preview shows how white text looks on a background with the Yxy color 26.9282, 0.5672, 0.3878.

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

26.9282, 0.5672, 0.3878

Protanopia

27.1804, 0.4338, 0.4817

Deuteranopia

27.0312, 0.4716, 0.4638



Tritanopia

26.8869, 0.5011, 0.3237

Trichromacy



Original Color

26.9282, 0.5672, 0.3878

Protanomaly

25.9046, 0.4876, 0.4445

Deuteranomaly

26.3366, 0.5104, 0.4329

Tritanomaly

26.7094, 0.5397, 0.3584

Monochromacy



Original Color

26.9282, 0.5672, 0.3878

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.8909, 0.4239, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9282, 0.5672, 0.3878 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, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 99, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.9282, 0.5672, 0.3878 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, 99, 0) }
```

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

```
.border{ border-color:rgb(237, 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(237, 99, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 99, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.9282, 0.5672, 0.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 99, 0) }
```

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

```
.background{ background-color: rgb(237, 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](#).

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