

Converting Colors

$Y_{xy}(25.6752, 0.5672, 0.3878)$

Have a look what the booklet for
Yxy(25.6752, 0.5672, 0.3878)
contains.

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Color

Yxy(25.7052, 0.5669, 0.3881)

Conversions

Conversions Part 1

Format	Color
Hex	E86100
RGB	232, 97, 0
RGB Percent	91%, 38%, 0%
CMY	0.0903, 0.6195, 1.0000
CMYK	0.00, 0.58, 1.00, 0.09
HSL	25°, 100%, 45%
HSV	25°, 100%, 91%
XYZ	37.5477, 25.7052, 2.9805
YIQ	126.3070, 111.5970, -1.5470

Conversions

Conversions Part 2

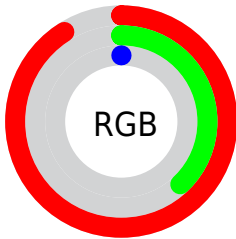
Format	Color
R_{YB}	232, 167, 0
Decimal	15229184
CIE _{Lab}	57.76, 48.96, 66.89
CIE _{LCh}	58, 82.894, 53.798
Yxy	25.7052, 0.5669, 0.3881
Android (android.graphics.Color)	4293419264 (0xFFE86100)
YUV	126.3070, -62.2694, 92.6928
Hunter-Lab	50.7003, 43.4684, 32.0047

Details

The Yxy color **25.7052, 0.5669, 0.3881** is a dark color, and the websafe version is hex **FF6600**, and the color name is **spanish orange**. The color can be described as dark washed orange. A complement of this color would be **23.1381, 0.1844, 0.1837**, and the grayscale version is **21.1655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7866, 0.4940, 0.4059**, and **10.0526, 0.6052, 0.3576** is the 20% darker color. If you saturate the color by 10%, you get **25.7068, 0.5669, 0.3881**, and if you desaturate by 10%, it is **28.4800, 0.5440, 0.3967**.

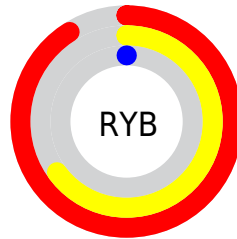
Distribution



Red (91%)

Green (38%)

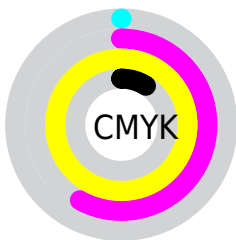
Blue (0%)



Red (91%)

Yellow (65%)

Blue (0%)

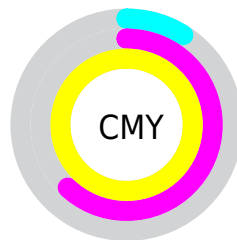


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7052, 0.5669, 0.3881 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 25.7052, 0.5669, 0.3881 by changing the saturation by 10% instead.


 25.7052, 0.5669,
0.3881


 25.7052, 0.5669,
0.3881


281.3319, 0.4392,
0.3779


 16.6032, 0.5933,
0.3817


 52.7990, 0.5235,
0.3908

 9.9520, 0.6282,
0.3718


 71.5596, 0.5060,
0.3898


 5.3672, 0.6551,
0.3449

 94.3085, 0.4909,
0.3882

 2.4643, 0.6941,
0.3059

 121.4302, 0.4777,
0.3862

 0.8587, 0.7543,
0.2457

 153.3089, 0.4662,
0.3841

 0.0000, 1.0000,
0.0000


 190.3292, 0.4561,


 0.0000, 0.0000,


0.3820


0.0000

 232.8754, 0.4472,
0.3799


 25.7052, 0.5669,
0.3881

 25.7052, 0.5669,
0.3881


 25.7068, 0.5669,
0.3881

 28.4800, 0.5440,
0.3967

 31.7724, 0.5165,
0.4004

 35.6268, 0.4857,
0.3988

 40.0745, 0.4541,
0.3930

 45.1441, 0.4236,
0.3841

■ 50.8615, 0.3955,
0.3734

■ 57.2512, 0.3703,
0.3620

■ 64.3360, 0.3483,
0.3506

■ 72.1378, 0.3292,
0.3395

Harmonies

Analogous

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



25.7052, 0.5571, 0.3085



25.7052, 0.5669, 0.3881



25.7052, 0.4965, 0.4806

Triad

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



25.7052, 0.5669, 0.3881



25.7052, 0.1709, 0.4423



25.7052, 0.1911, 0.1490

Complementary

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



25.7052, 0.5669, 0.3881



23.1381, 0.1844, 0.1837

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.



25.7052, 0.1293, 0.1482



25.7052, 0.5669, 0.3881



25.7052, 0.1161, 0.2767

Square

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



25.7052, 0.5669, 0.3881



25.7052, 0.2719, 0.5810



25.7052, 0.1057, 0.1837



25.7052, 0.3022, 0.1793

Rectangle

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



25.7052, 0.5669, 0.3881



25.7052, 0.4266, 0.5441



25.7052, 0.1057, 0.1837



25.7052, 0.1655, 0.1453

Sweetspot

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



25.7068, 0.5669, 0.3881



70.8339, 0.3707, 0.3622



18.9102, 0.4634, 0.2327



14.4220, 0.3810, 0.3671



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.



25.7068, 0.5669, 0.3881



31.7045, 0.5677, 0.3874



64.5623, 0.4349, 0.4929



15.3536, 0.3282, 0.3389



14.5106, 0.5640, 0.3903



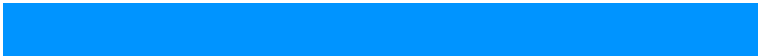
1.2524, 0.5380, 0.4110

Inverse Universe

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



23.1381, 0.1844, 0.1837



28.5068, 0.1842, 0.1830



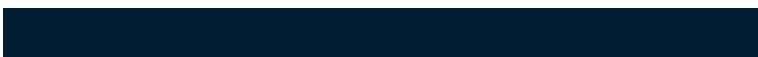
6.3019, 0.1512, 0.0644



15.2731, 0.2981, 0.3189



13.1026, 0.1851, 0.1863



1.1509, 0.1914, 0.2091

Previews

White Background



This preview shows how the Yxy color 25.7052, 0.5669, 0.3881 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 25.7052, 0.5669, 0.3881 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 25.7052, 0.5669, 0.3881

Background



This preview shows how black text looks on a background with the Yxy color 25.7052, 0.5669, 0.3881.



This preview shows how white text looks on a background with the Yxy color 25.7052, 0.5669, 0.3881.

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

25.7052, 0.5669, 0.3881

Protanopia

25.9822, 0.4343, 0.4816

Deuteranopia

25.7326, 0.4715, 0.4638



Tritanopia

25.6493, 0.5008, 0.3236

Trichromacy



Original Color

25.7052, 0.5669, 0.3881

Protanomaly

24.6374, 0.4880, 0.4444

Deuteranomaly

24.9294, 0.5101, 0.4331

Tritanomaly

25.4893, 0.5391, 0.3582

Monochromacy



Original Color

25.7052, 0.5669, 0.3881

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.8400, 0.4251, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7052, 0.5669, 0.3881 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(232, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 97, 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(232, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 97, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.7052, 0.5669, 0.3881 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(232, 97, 0) }
```

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

```
.border{ border-color:rgb(232, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(232, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 97, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.7052, 0.5669, 0.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 97, 0) }
```

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

```
.background{ background-color: rgb(232, 97,  
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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