

Converting Colors

XYZ(37.5534, 25.7052, 2.9823)

Have a look what the booklet for
XYZ(37.5534, 25.7052, 2.9823)
contains.

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Color

**XYZ(37.5534, 25.7052,
2.9823)**

Conversions

Conversions Part 1

Format	Color
Hex	E86100
RGB	232, 97, 0
RGB Percent	91%, 38%, 0%
CMY	0.0902, 0.6196, 1.0000
CMYK	0.00, 0.58, 1.00, 0.09
HSL	25°, 100%, 45%
HSV	25°, 100%, 91%
XYZ	37.5534, 25.7052, 2.9823
YIQ	126.3070, 111.5970, -1.5470

Conversions

Conversions Part 2

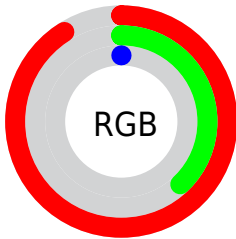
Format	Color
R_{YB}	232, 167, 0
Decimal	15229184
CIE _{Lab}	57.76, 48.98, 66.88
CIE _{LCh}	58, 82.896, 53.782
Yxy	25.7052, 0.5669, 0.3881
Android (android.graphics.Color)	4293419264 (0xFFE86100)
YUV	126.3070, -62.2694, 92.6928
Hunter-Lab	50.7003, 43.4883, 32.0026

Details

The XYZ color **37.5534, 25.7052, 2.9823** 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 **23.2288, 23.1529, 79.5879**, and the grayscale version is **20.1161, 21.1637, 23.0473**.

A 20% lighter version of the original color is **53.2900, 43.7866, 10.7972**, and **17.0123, 10.0526, 1.0437** is the 20% darker color. If you saturate the color by 10%, you get **37.5537, 25.7061, 2.9825**, and if you desaturate by 10%, it is **39.0661, 28.4802, 4.2596**.

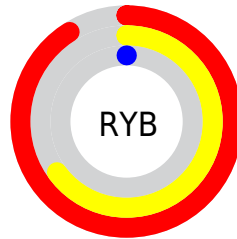
Distribution



Red (91%)

Green (38%)

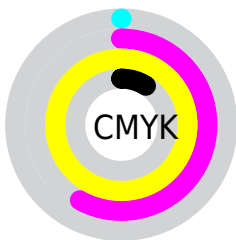
Blue (0%)



Red (91%)

Yellow (65%)

Blue (0%)

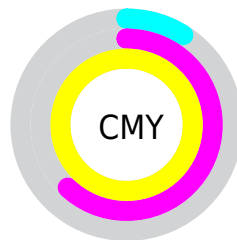


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5534, 25.7052, 2.9823 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 XYZ color 37.5534, 25.7052, 2.9823 by changing the saturation by 10% instead.

 37.5534, 25.7052,
2.9823


 37.5534, 25.7052,
2.9823


327.0144,
281.3319, 136.1349


 25.8119, 16.6032,
1.0856


 70.7314, 52.7990,
11.5847


 16.8149, 9.9520,
0.0000


 92.8986, 71.5596,
19.1275

 10.1971, 5.3672,
0.0000


 119.2718, 94.3085,
29.3895

 5.5931, 2.4643,
0.0000

 150.2163,
121.4302, 42.7891

 2.6376, 0.8587,
0.0000

 186.0974,
153.3089, 59.7449


 0.9651, 0.0000,
0.0000


 227.2806,


 0.0000, 0.0000,


190.3292, 80.6754


0.0000


 274.1311,
232.8754, 105.9992

 37.5534, 25.7052,
2.9823


 37.5534, 25.7052,
2.9823

 37.5537, 25.7061,
2.9825

 39.0661, 28.4802,
4.2596

 40.9882, 31.7733,
6.5994

 43.3893, 35.6286,
10.3193

 46.3132, 40.0777,
15.6054

 49.7972, 45.1489,
22.6144

■ 53.8749, 50.8684,
31.4836

■ 58.5770, 57.2606,
42.3363

■ 63.9315, 64.3483,
55.2851

■ 69.9648, 72.1534,
70.4341

Harmonies

Analogous

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



46.4258, 25.7052, 11.2100



37.5534, 25.7052, 2.9823



26.5610, 25.7052, 1.2203

Triad

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



37.5534, 25.7052, 2.9823



9.9320, 25.7052, 22.4692



32.9779, 25.7052, 113.8940

Complementary

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



37.5534, 25.7052, 2.9823



23.2288, 23.1529, 79.5879

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.



22.4200, 25.7052, 125.2797



37.5534, 25.7052, 2.9823



10.7842, 25.7052, 56.3718

Square

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



37.5534, 25.7052, 2.9823



12.0292, 25.7052, 6.5053



14.7901, 25.7052, 99.4424



43.3221, 25.7052, 74.3843

Rectangle

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



37.5534, 25.7052, 2.9823



20.1559, 25.7052, 1.3824



14.7901, 25.7052, 99.4424



29.2738, 25.7052, 121.9047

Sweetspot

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



37.5540, 25.7067, 2.9827



72.4932, 70.8285, 52.2336



37.6753, 18.9145, 24.7107



14.9684, 14.4207, 9.8976



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.5540, 25.7067, 2.9827



46.4585, 31.6970, 3.6695



56.9889, 64.5765, 9.4610



14.8697, 15.3533, 15.0842



20.9665, 14.5072, 1.6951



1.6394, 1.2521, 0.1553

Inverse Universe

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



23.2288, 23.1529, 79.5879



28.6991, 28.5183, 98.5997



14.8041, 6.3034, 76.7797



14.2760, 15.2734, 18.3400



13.0228, 13.1077, 44.2268



1.0536, 1.1512, 3.2986

Previews

White Background



This preview shows how the XYZ color 37.5534, 25.7052, 2.9823 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 XYZ color 37.5534, 25.7052, 2.9823 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](#).

XYZ 37.5534, 25.7052, 2.9823

Background



This preview shows how black text looks on a background with the XYZ color 37.5534, 25.7052, 2.9823.



This preview shows how white text looks on a background with the XYZ color 37.5534, 25.7052,

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

37.5534, 25.7052, 2.9823

Protanopia

23.4275, 25.9822, 4.5394

Deuteranopia

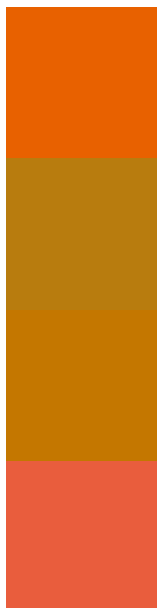
26.1558, 25.7326, 3.5883



Tritanopia

39.6992, 25.6493, 13.9248

Trichromacy



Original Color

37.5534, 25.7052, 2.9823

Protanomaly

27.0541, 24.6374, 3.7450

Deuteranomaly

29.3618, 24.9294, 3.2643

Tritanomaly

38.3609, 25.4893, 7.3130

Monochromacy



Original Color

37.5534, 25.7052, 2.9823

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

23.0958, 20.8400, 10.3947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5534, 25.7052, 2.9823 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 XYZ 37.5534, 25.7052, 2.9823 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 XYZ 37.5534, 25.7052, 2.9823 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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