

Converting Colors

XYZ(38.8448, 25.7696, 2.9267)

Have a look what the booklet for
XYZ(38.8448, 25.7696, 2.9267)
contains.

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Color

**XYZ(38.7522, 25.6588,
2.9102)**

Conversions

Conversions Part 1

Format	Color
Hex	ED5C00
RGB	237, 92, 0
RGB Percent	93%, 36%, 0%
CMY	0.0706, 0.6392, 1.0000
CMYK	0.00, 0.61, 1.00, 0.07
HSL	23°, 100%, 46%
HSV	23°, 100%, 93%
XYZ	38.7522, 25.6588, 2.9102
YIQ	124.8670, 115.9520, 2.1280

Conversions

Conversions Part 2

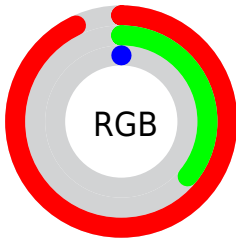
Format	Color
R_{YB}	237, 150, 0
Decimal	15555584
CIE _{Lab}	57.71, 53.03, 67.29
CIE _{LCh}	58, 85.678, 51.758
Yxy	25.6588, 0.5756, 0.3811
Android (android.graphics.Color)	4293745664 (0xFFED5C00)
YUV	124.8670, -61.5594, 98.3406
Hunter-Lab	50.6545, 47.9124, 32.0518

Details

The XYZ color **38.7522, 25.6588, 2.9102** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **25.4108, 26.3640, 83.8696**, and the grayscale version is **19.6228, 20.6447, 22.4821**.

A 20% lighter version of the original color is **52.6279, 42.5091, 10.4323**, and **17.6143, 9.9727, 0.9966** is the 20% darker color. If you saturate the color by 10%, you get **38.7524, 25.6596, 2.9103**, and if you desaturate by 10%, it is **40.2932, 28.4823, 4.2222**.

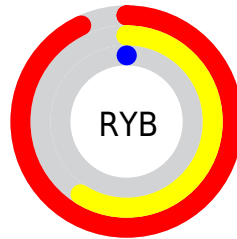
Distribution



Red (93%)

Green (36%)

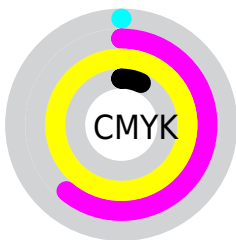
Blue (0%)



Red (93%)

Yellow (59%)

Blue (0%)

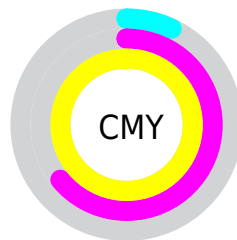


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7522, 25.6588, 2.9102 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 38.7522, 25.6588, 2.9102 by changing the saturation by 10% instead.


 38.7522, 25.6588,
2.9102


 38.7522, 25.6588,
2.9102

332.0611,
281.1031, 135.2086


 26.7469, 16.5686,
1.0490


 72.5561, 52.7240,
11.4060


 17.5188, 9.9274,
0.0000


 95.0854, 71.4677,
18.8777

 10.7027, 5.3508,
0.0000


 121.8534, 94.1981,
29.0566

 5.9331, 2.4545,
0.0000

 153.2254,
121.2995, 42.3613

 2.8447, 0.8537,
0.0000

 189.5668,
153.1563, 59.2103


 1.0722, 0.0000,
0.0000

 231.2430,


 0.0016, 0.0000,


190.1529, 80.0221


0.0000


 278.6193,
232.6737, 105.2154


 0.0000, 0.0000,
0.0000


 38.7522, 25.6588,
2.9102


 38.7522, 25.6588,
2.9102


 38.7524, 25.6596,
2.9103

 40.2932, 28.4823,
4.2222

 42.2844, 31.8896,
6.6591

 44.8004, 35.9305,
10.5531

 47.8889, 40.6419,
16.1009

 51.5911, 46.0569,
23.4682

■ 55.9439, 52.2059,
32.8004

■ 60.9808, 59.1176,
44.2277

■ 66.7328, 66.8186,
57.8695

■ 73.2290, 75.3344,
73.8356

Harmonies

Analogous

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



47.6844, 25.6588, 11.7912



38.7522, 25.6588, 2.9102



27.3271, 25.6588, 1.0298

Triad

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



38.7522, 25.6588, 2.9102



9.6096, 25.6588, 20.5953



32.4567, 25.6588, 120.1331

Complementary

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



38.7522, 25.6588, 2.9102



25.4108, 26.3640, 83.8696

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.



21.6674, 25.6588, 129.4657



38.7522, 25.6588, 2.9102



10.2701, 25.6588, 54.5531

Square

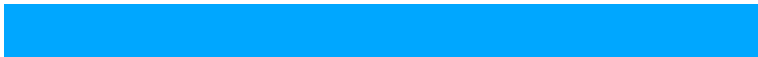
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.7522, 25.6588, 2.9102



11.9425, 25.6588, 5.5276



14.1006, 25.6588, 99.9609



43.3971, 25.6588, 79.5387

Rectangle

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



38.7522, 25.6588, 2.9102



20.5845, 25.6588, 1.0980



14.1006, 25.6588, 99.9609



28.6332, 25.6588, 127.7999

Sweetspot

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



38.7528, 25.6603, 2.9106



71.9304, 69.7029, 52.0460



40.1250, 20.0846, 29.0180



14.8365, 14.1569, 9.8537



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.



38.7528, 25.6603, 2.9106



45.7012, 30.1825, 3.4171



57.8112, 63.7772, 9.2634



15.5450, 16.0130, 15.7902



21.2758, 14.2459, 1.6284



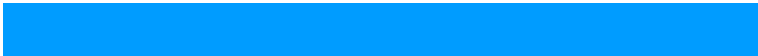
1.7616, 1.3005, 0.1582

Inverse Universe

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



25.4108, 26.3640, 83.8696



29.9395, 30.9991, 99.0132



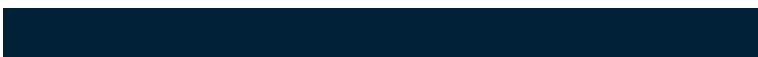
15.6931, 6.9287, 80.6304



14.9983, 16.0830, 19.2361



14.0044, 14.6558, 45.8337



1.1926, 1.3366, 3.6300

Previews

White Background



This preview shows how the XYZ color 38.7522, 25.6588, 2.9102 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 38.7522, 25.6588, 2.9102 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 38.7522, 25.6588, 2.9102

Background



This preview shows how black text looks on a background with the XYZ color 38.7522, 25.6588, 2.9102.



This preview shows how white text looks on a background with the XYZ color 38.7522, 25.6588,

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

38.7522, 25.6588, 2.9102

Protanopia

23.4476, 25.9902, 4.6449

Deuteranopia

26.1558, 25.7326, 3.5883



Tritanopia

40.8127, 25.7616, 12.7190

Trichromacy



Original Color

38.7522, 25.6588, 2.9102

Protanomaly

27.4189, 24.6395, 3.7627

Deuteranomaly

29.6500, 24.7283, 3.2103

Tritanomaly

39.5133, 25.4621, 6.8351

Monochromacy



Original Color

38.7522, 25.6588, 2.9102

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

23.0790, 20.4964, 10.3292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7522, 25.6588, 2.9102 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, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 92, 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, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 92, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.7522, 25.6588, 2.9102 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, 92, 0) }
```


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

```
.border{ border-color:rgb(237, 92, 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, 92, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 92, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.7522, 25.6588, 2.9102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 92, 0) }
```

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

```
.background{ background-color: rgb(237, 92,  
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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