

# Converting Colors

XYZ(37.1443, 25.5818, 3.8444)

Have a look what the booklet for  
XYZ(37.1443, 25.5818, 3.8444)  
contains.

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# Color

**XYZ(37.1657, 25.6243,  
3.8513)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E66218
RGB	230, 98, 24
RGB Percent	90%, 38%, 9%
CMY	0.0980, 0.6157, 0.9059
CMYK	0.00, 0.57, 0.90, 0.10
HSL	22°, 81%, 50%
HSV	22°, 90%, 90%
XYZ	37.1657, 25.6243, 3.8513
YIQ	129.0320, 102.4260, 4.9700

# Conversions

## Conversions Part 2

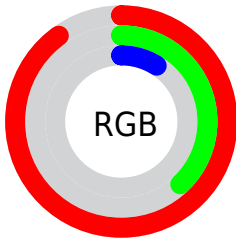
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">230, 139, 24</a>
Decimal	<a href="#">15098392</a>
CIELab	<a href="#">57.68, 48.05, 61.38</a>
CIElCh	<a href="#">58, 77.949, 51.948</a>
Yxy	<a href="#">25.6243, 0.5577, 0.3845</a>
Android (android.graphics.Color)	<a href="#">4293288472 (0xFFE66218)</a>
YUV	<a href="#">129.0320, -51.7808, 88.5489</a>
Hunter-Lab	<a href="#">50.6205, 42.4695, 30.9234</a>

# Details

The XYZ color **37.1657, 25.6243, 3.8513** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **26.5471, 29.6824, 79.1925**, and the grayscale version is **21.0292, 22.1243, 24.0934**.

A 20% lighter version of the original color is **53.8434, 44.2665, 12.9142**, and **16.8370, 10.0169, 1.0460** is the 20% darker color. If you saturate the color by 10%, you get **35.7524, 23.0532, 2.5942**, and if you desaturate by 10%, it is **39.0228, 28.7817, 6.1884**.

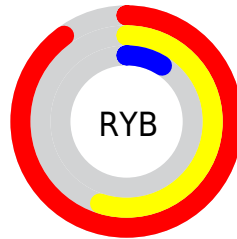
# Distribution



Red (90%)

Green (38%)

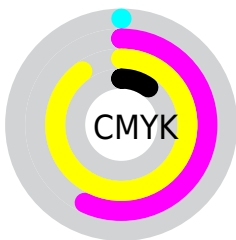
Blue (9%)



Red (90%)

Yellow (55%)

Blue (9%)

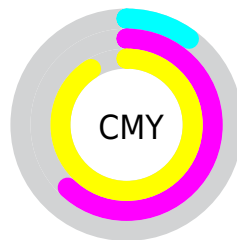


Cyan (0%)

Magenta (57%)

Yellow (90%)

Black (10%)



Cyan (10%)

Magenta (62%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1657, 25.6243, 3.8513 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 37.1657, 25.6243, 3.8513 by changing the saturation by 10% instead.





 37.1657, 25.6243,  
3.8513


 37.1657, 25.6243,  
3.8513


325.3704,  
280.9329, 146.5579


 25.5101, 16.5428,  
1.5441


 70.1397, 52.6682,  
13.6653

 16.5882, 9.9091,  
0.2505


 92.1889, 71.3994,  
22.0093

 10.0348, 5.3387,  
0.0000


 118.4332, 94.1160,  
33.2026

 5.4845, 2.4473,  
0.0000

 149.2381,  
121.2023, 47.6637

 2.5719, 0.8501,  
0.0000

 184.9689,  
153.0427, 65.8113


 0.9317, 0.0000,  
0.0000


 225.9910,


 0.0000, 0.0000,


190.0217, 88.0638


0.0000


 272.6697,  
232.5236, 114.8399


 37.1657, 25.6243,  
3.8513


 37.1657, 25.6243,  
3.8513


 35.7524, 23.0532,  
2.5942


 39.0228, 28.7817,  
6.1884

 35.6978, 22.9527,  
2.5488

 41.3903, 32.5688,  
9.8998

 44.3145, 37.0247,  
15.1675

 47.8351, 42.1832,  
22.1449

 51.9876, 48.0757,  
30.9667

■ 56.8046, 54.7313,  
41.7540

■ 62.3160, 62.1774,  
54.6175

■ 68.5500, 70.4402,  
69.6596

■ 75.5329, 79.5443,  
86.9758

# Harmonies

## Analogous

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



45.0632, 25.6243, 12.7701



37.1657, 25.6243, 3.8513



26.9546, 25.6243, 1.6862

# Triad

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



37.1657, 25.6243, 3.8513



10.5641, 25.6243, 21.3067



31.6917, 25.6243, 107.7952

# Complementary

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



37.1657, 25.6243, 3.8513



26.5471, 29.6824, 79.1925

# 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.



21.9284, 25.6243, 115.9089



37.1657, 25.6243, 3.8513



11.2207, 25.6243, 51.8361

# Square

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



37.1657, 25.6243, 3.8513



12.7869, 25.6243, 6.7069



14.8892, 25.6243, 91.0336



41.3821, 25.6243, 73.0412



# Rectangle

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



37.1657, 25.6243, 3.8513



20.8280, 25.6243, 1.7813



14.8892, 25.6243, 91.0336



28.2595, 25.6243, 114.3493

# Sweetspot

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



37.1663, 25.6258, 3.8517



73.3845, 71.3428, 56.4408



39.1226, 19.9415, 34.0901



15.2236, 14.6107, 10.9705



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.



37.1663, 25.6258, 3.8517



45.0334, 28.8469, 3.1945



53.2442, 57.7817, 9.2110



14.7986, 15.2112, 15.0605



20.3156, 13.2054, 1.4781



1.5868, 1.1469, 0.1377

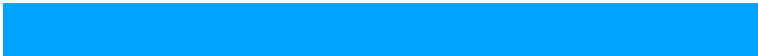


# Inverse Universe

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



26.5471, 29.6824, 79.1925



31.2166, 33.5531, 99.4389



16.0212, 8.6305, 75.6838



14.3491, 15.4197, 18.3643



14.1457, 15.3534, 44.6011



1.1325, 1.3089, 3.3249



# Previews

## White Background



This preview shows how the XYZ color 37.1657, 25.6243, 3.8513 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 37.1657, 25.6243, 3.8513 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 37.1657, 25.6243, 3.8513**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.1657, 25.6243, 3.8513.



This preview shows how white text looks on a background with the XYZ color 37.1657, 25.6243,



# 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

37.1657, 25.6243, 3.8513

### Protanopia

23.2463, 25.6545, 5.3167

### Deuteranopia

26.1558, 25.7326, 3.5883



## Tritanopia

39.1775, 25.5010, 14.1666

# Trichromacy



## Original Color

37.1657, 25.6243, 3.8513

## Protanomaly

26.9834, 24.5815, 4.6188

## Deuteranomaly

29.5307, 25.1884, 3.5639

## Tritanomaly

38.0632, 25.4365, 8.6979

# Monochromacy



## Original Color

37.1657, 25.6243, 3.8513

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

24.0926, 21.8192, 12.8392

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.1657, 25.6243, 3.8513 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(230, 98, 24)` looks like.

```
.text, #text, p{  
    color:rgb(230, 98, 24)  
}
```

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(230, 98, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 98, 24) }
```

## Border

The CSS property to change the border of an element to XYZ 37.1657, 25.6243, 3.8513 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(230, 98, 24) }
```



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

```
.border{ border-color:rgb(230, 98, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 98, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 98, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 98, 24);  
box-shadow:4px 4px 4px 4px rgb(230, 98,  
24) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.1657, 25.6243, 3.8513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 98, 24) }
```

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

```
.background{ background-color: rgb(230, 98,  
24) }
```

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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