

# Converting Colors

XYZ(37.6525, 25.9610, 4.1167)

Have a look what the booklet for  
XYZ(37.6525, 25.9610, 4.1167)  
contains.

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# Color

**XYZ(37.6264, 25.9964,  
4.1333)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7631C
RGB	231, 99, 28
RGB Percent	91%, 39%, 11%
CMY	0.0941, 0.6117, 0.8902
CMYK	0.00, 0.57, 0.88, 0.09
HSL	21°, 81%, 51%
HSV	21°, 88%, 91%
XYZ	37.6264, 25.9964, 4.1333
YIQ	130.3740, 101.4630, 5.9030

# Conversions

## Conversions Part 2

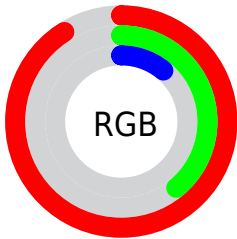
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">231, 137, 28</a>
Decimal	<a href="#">15164188</a>
CIELab	<a href="#">58.03, 48.02, 60.43</a>
CIELCh	<a href="#">58, 77.185, 51.526</a>
Yxy	<a href="#">25.9964, 0.5553, 0.3837</a>
Android (android.graphics.Color)	<a href="#">4293354268</a> (0xFFE7631C)
YUV	<a href="#">130.3740, -50.4704, 88.2490</a>
Hunter-Lab	<a href="#">50.9867, 42.5002, 30.8842</a>

# Details

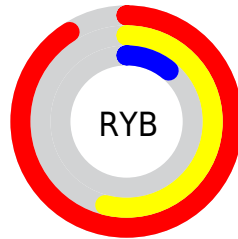
The XYZ color **37.6264, 25.9964, 4.1333** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **27.4724, 31.1559, 80.1664**, and the grayscale version is **21.5000, 22.6196, 24.6328**.

A 20% lighter version of the original color is **54.1164, 44.6365, 13.5480**, and **17.0868, 10.2016, 1.0685** is the 20% darker color. If you saturate the color by 10%, you get **36.1510, 23.3384, 2.7402**, and if you desaturate by 10%, it is **39.5750, 29.2697, 6.7077**.

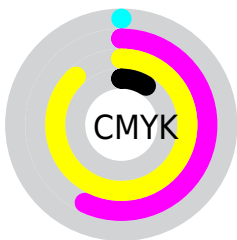
# Distribution



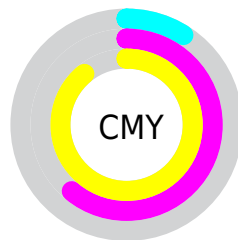
- Red (91%)
- Green (39%)
- Blue (11%)



- Red (91%)
- Yellow (54%)
- Blue (11%)



- Cyan (0%)
- Magenta (57%)
- Yellow (88%)
- Black (9%)




- Cyan (9%)
- Magenta (61%)
- Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6264, 25.9964, 4.1333 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 37.6264, 25.9964, 4.1333 by changing the saturation by 10% instead.





 37.6264, 25.9964,  
4.1333


 37.6264, 25.9964,  
4.1333


327.3232,  
282.7644, 149.6957


 25.8688, 16.8209,  
1.6988


 70.8427, 53.2691,  
14.3160

 16.8576, 10.1069,  
0.3599


 93.0321, 72.1352,  
22.9013


 10.2277, 5.4699,  
0.0000


 119.4295, 95.0003,  
34.3739

 5.6136, 2.5255,  
0.0000

 150.4002,  
122.2487, 49.1524

 2.6500, 0.8894,  
0.0000

 186.3096,  
154.2650, 67.6552

 0.9715, 0.0000,  
0.0000

 227.5229,

 0.0000, 0.0000,

191.4334, 90.3011

0.0000

274.4057,  
234.1384, 117.5083

37.6264, 25.9964,  
4.1333

37.6264, 25.9964,  
4.1333

36.1510, 23.3384,  
2.7402

39.5750, 29.2697,  
6.7077

35.8823, 22.8440,  
2.5181

42.0542, 33.1991,  
10.7060

45.1101, 37.8246,  
16.3067

48.7826, 43.1811,  
23.6614

53.1077, 49.3009,  
32.9036

■ 58.1181, 56.2142,  
44.1541

■ 63.8444, 63.9493,  
57.5233

■ 70.3150, 72.5332,  
73.1136

■ 77.5570, 81.9915,  
91.0207

# Harmonies

## Analogous

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



45.4218, 25.9964, 13.3357



37.6264, 25.9964, 4.1333



27.4460, 25.9964, 1.8377

# Triad

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



37.6264, 25.9964, 4.1333



10.8794, 25.9964, 21.3935



31.8888, 25.9964, 107.9796

# Complementary

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



37.6264, 25.9964, 4.1333



27.4724, 31.1559, 80.1664

# 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.



22.1599, 25.9964, 115.5247



37.6264, 25.9964, 4.1333



11.5014, 25.9964, 51.6366

# Square

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



37.6264, 25.9964, 4.1333



13.1623, 25.9964, 6.8706



15.1484, 25.9964, 90.5403



41.5714, 25.9964, 73.7778



# Rectangle

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



37.6264, 25.9964, 4.1333



21.2965, 25.9964, 1.9155



15.1484, 25.9964, 90.5403



28.4674, 25.9964, 114.3157

# Sweetspot

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



37.6270, 25.9979, 4.1337



73.9090, 71.9535, 57.9665



40.0108, 20.4758, 36.6507



15.3192, 14.7182, 11.2606



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.



37.6270, 25.9979, 4.1337



44.8287, 28.4373, 3.1262



53.1684, 57.0808, 9.3142



14.7873, 15.1884, 15.0567



20.2215, 13.0172, 1.4468



1.5789, 1.1312, 0.1351

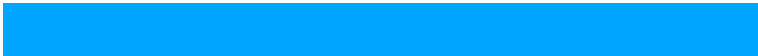


# Inverse Universe

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



27.4724, 31.1559, 80.1664



31.6507, 34.4214, 99.5836



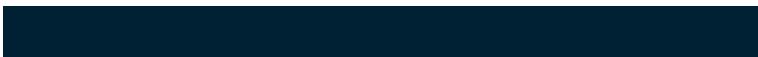
16.6164, 9.4438, 76.5477



14.3610, 15.4433, 18.3683



14.3389, 15.7398, 44.6655



1.1459, 1.3357, 3.3294



# Previews

## White Background



This preview shows how the XYZ color 37.6264, 25.9964, 4.1333 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 37.6264, 25.9964, 4.1333 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 37.6264, 25.9964, 4.1333**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.6264, 25.9964, 4.1333.



This preview shows how white text looks on a background with the XYZ color 37.6264, 25.9964,



# 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

37.6264, 25.9964, 4.1333

### Protanopia

23.6326, 26.0642, 5.6190

### Deuteranopia

26.5190, 26.1222, 3.6444



## Tritanopia

39.7232, 26.0342, 14.4867

# Trichromacy



## Original Color

37.6264, 25.9964, 4.1333

## Protanomaly

27.3895, 24.9731, 4.8901

## Deuteranomaly

29.9181, 25.5670, 3.6452

## Tritanomaly

38.5735, 25.8213, 9.2543

# Monochromacy



## Original Color

37.6264, 25.9964, 4.1333

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

24.5090, 22.1995, 13.3491

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.6264, 25.9964, 4.1333 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(231, 99, 28)` looks like.

```
.text, #text, p{  
    color:rgb(231, 99, 28)  
}
```

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(231, 99, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 99, 28) }
```

## Border

The CSS property to change the border of an element to XYZ 37.6264, 25.9964, 4.1333 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(231, 99, 28) }
```



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

```
.border{ border-color:rgb(231, 99, 28) }
```

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

Here you see how a box with a 4 pixel rgb(231, 99, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 99, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 99, 28);  
box-shadow:4px 4px 4px 4px rgb(231, 99,  
28) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.6264, 25.9964, 4.1333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 99, 28) }
```

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

```
.background{ background-color: rgb(231, 99,  
28) }
```

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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