

# Converting Colors

XYZ(37.0072, 25.6970, 10.8696)

Have a look what the booklet for  
XYZ(37.0072, 25.6970, 10.8696)  
contains.

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# Color

**XYZ(37.0937, 25.7160,  
10.7932)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E16451
RGB	225, 100, 81
RGB Percent	88%, 39%, 32%
CMY	0.1176, 0.6078, 0.6823
CMYK	0.00, 0.56, 0.64, 0.12
HSL	8°, 71%, 60%
HSV	8°, 64%, 88%
XYZ	37.0937, 25.7160, 10.7932
YIQ	135.2090, 80.5990, 20.5910

# Conversions

## Conversions Part 2

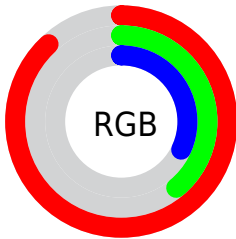
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 103, 81
Decimal	14771281
CIE <sub>Lab</sub>	57.77, 47.43, 34.62
CIE <sub>LCh</sub>	58, 58.724, 36.128
Yxy	25.7160, 0.5040, 0.3494
Android (android.graphics.Color)	4292961361 (0xFFE16451)
YUV	135.2090, -26.7250, 78.7467
Hunter-Lab	50.7109, 41.8238, 22.8785

# Details

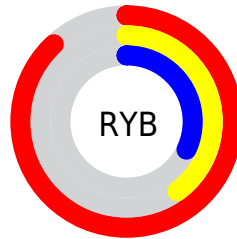
The XYZ color **37.0937, 25.7160, 10.7932** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **39.0534, 51.3245, 79.0820**, and the grayscale version is **23.1829, 24.3902, 26.5609**.

A 20% lighter version of the original color is **56.8923, 46.0099, 27.3550**, and **16.5902, 9.9679, 2.6397** is the 20% darker color. If you saturate the color by 10%, you get **34.7314, 22.1256, 6.5103**, and if you desaturate by 10%, it is **40.1856, 30.3189, 16.6983**.

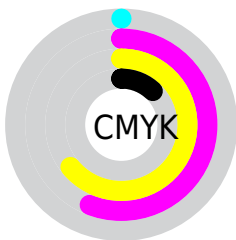
# Distribution



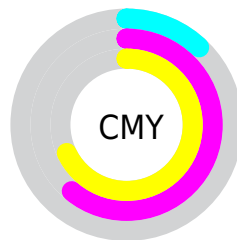
- Red (88%)
- Green (39%)
- Blue (32%)



- Red (88%)
- Yellow (40%)
- Blue (32%)



- Cyan (0%)
- Magenta (56%)
- Yellow (64%)
- Black (12%)




- Cyan (12%)
- Magenta (61%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0937, 25.7160, 10.7932 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 37.0937, 25.7160, 10.7932 by changing the saturation by 10% instead.




 37.0937, 25.7160,  
10.7932


 37.0937, 25.7160,  
10.7932

325.0645,  
281.3851, 206.9295


 25.4541, 16.6113,  
5.8155


 70.0298, 52.8164,  
27.9079

 16.5462, 9.9577,  
2.6663


 92.0569, 71.5809,  
40.8820


 10.0048, 5.3710,  
0.9264


 118.2772, 94.3342,  
57.3587

 5.4644, 2.4665,  
0.0000

 149.0561,  
121.4606, 77.7565

 2.5598, 0.8598,  
0.0000

 184.7590,  
153.3444, 102.4939

 0.9255, 0.0000,  
0.0000

225.7511,

 0.0000, 0.0000,

190.3702, 131.9895

0.0000

272.3978,  
232.9223, 166.6619

■ 37.0937, 25.7160,  
10.7932

■ 37.0937, 25.7160,  
10.7932

■ 34.7314, 22.1256,  
6.5103

■ 40.1856, 30.3189,  
16.6983

■ 33.0355, 19.4667,  
3.6854

■ 44.0596, 35.9988,  
24.3652

■ 31.9345, 17.6527,  
2.1221

■ 48.7653, 42.8197,  
33.9201

■ 31.5078, 16.9208,  
1.6054

■ 54.3478, 50.8396,  
45.4770

■ 60.8488, 60.1122,  
59.1411

■ 68.3073, 70.6882,  
75.0101

■ 76.7601, 82.6154,  
93.1756

■ 84.8611, 94.7474,  
108.4232

# Harmonies

## Analogous

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



40.5317, 25.7160, 24.0609



37.0937, 25.7160, 10.7932



30.3429, 25.7160, 5.4006

# Triad

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



37.0937, 25.7160, 10.7932



14.0319, 25.7160, 15.0543



25.9166, 25.7160, 86.9775

# Complementary

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



37.0937, 25.7160, 10.7932



39.0534, 51.3245, 79.0820

# 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.



19.3610, 25.7160, 80.5505



37.0937, 25.7160, 10.7932



13.2983, 25.7160, 32.3480

# Square

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



37.0937, 25.7160, 10.7932



17.2955, 25.7160, 6.9039



15.0544, 25.7160, 57.6578



33.3279, 25.7160, 72.4629



# Rectangle

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



37.0937, 25.7160, 10.7932



25.3683, 25.7160, 4.3926



15.0544, 25.7160, 57.6578



23.5391, 25.7160, 87.2611

# Sweetspot

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



37.0943, 25.7174, 10.7936



76.2280, 73.3039, 68.8749



45.4034, 26.4563, 62.5169



15.7958, 14.9474, 13.6513



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.



37.0943, 25.7174, 10.7936



45.2349, 28.0012, 7.1109



46.8736, 45.2760, 14.0534



13.8524, 13.9907, 14.2772



18.2041, 9.8460, 0.9410



1.3097, 0.7782, 0.0812



# Inverse Universe

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



39.0534, 51.3245, 79.0820



47.8752, 64.2236, 104.4809



25.8163, 24.8504, 74.6696



13.9542, 15.2475, 17.5953



19.1779, 25.8253, 45.0224

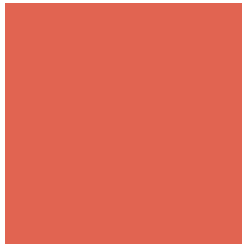


1.3727, 1.8770, 3.1352



# Previews

## White Background



This preview shows how the XYZ color 37.0937, 25.7160, 10.7932 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

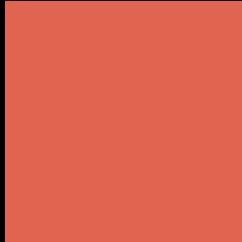
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.0937, 25.7160, 10.7932 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 37.0937, 25.7160, 10.7932**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.0937, 25.7160, 10.7932.



This preview shows how white text looks on a background with the XYZ color 37.0937, 25.7160,



# 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

37.0937, 25.7160, 10.7932

### Protanopia

24.1064, 25.8891, 14.7929

### Deuteranopia

26.4521, 25.9410, 10.2695



## Tritanopia

38.0869, 25.6974, 15.7847

# Trichromacy



## Original Color

37.0937, 25.7160, 10.7932

## Protanomaly

27.5820, 24.8875, 13.2476

## Deuteranomaly

29.6628, 25.2869, 10.3386

## Tritanomaly

37.7973, 25.7303, 13.8008

# Monochromacy



## Original Color

37.0937, 25.7160, 10.7932

## Achromatopsia

23.0288, 24.2281, 26.3844

## Achromatomaly

26.2025, 23.4817, 19.3711

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.0937, 25.7160, 10.7932 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(225, 100, 81)` looks like.

```
.text, #text, p{  
    color:rgb(225, 100, 81)  
}
```

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(225, 100, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 100, 81) }
```

## Border

The CSS property to change the border of an element to XYZ 37.0937, 25.7160, 10.7932 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(225, 100, 81) }
```



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

```
.border{ border-color:rgb(225, 100, 81) }
```

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

Here you see how a box with a 4 pixel rgb(225, 100, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 100, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 100, 81);  
box-shadow:4px 4px 4px 4px rgb(225, 100,  
81) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.0937, 25.7160, 10.7932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 100, 81) }
```

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

```
.background{ background-color: rgb(225,  
100, 81) }
```

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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