

# Converting Colors

XYZ(37.0204, 24.1987, 5.7372)

Have a look what the booklet for  
XYZ(37.0204, 24.1987, 5.7372)  
contains.

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# Color

**XYZ(37.0204, 24.1987,  
5.7372)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E75832
RGB	231, 88, 50
RGB Percent	91%, 35%, 20%
CMY	0.0941, 0.6549, 0.8039
CMYK	0.00, 0.62, 0.78, 0.09
HSL	13°, 79%, 55%
HSV	13°, 78%, 91%
XYZ	37.0204, 24.1987, 5.7372
YIQ	126.4250, 97.4260, 18.4980

# Conversions

## Conversions Part 2

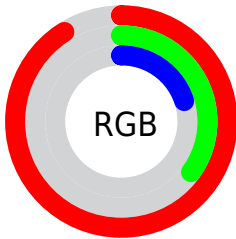
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 98, 50
Decimal	15161394
CIE <sub>Lab</sub>	56.29, 53.57, 49.65
CIE <sub>LCh</sub>	56, 73.042, 42.825
Yxy	24.1987, 0.5529, 0.3614
Android (android.graphics.Color)	4293351474 (0xFFE75832)
YUV	126.4250, -37.6775, 91.7123
Hunter-Lab	49.1922, 48.2469, 27.5196

# Details

The XYZ color **37.0204, 24.1987, 5.7372** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **34.8069, 44.5833, 82.3715**, and the grayscale version is **20.0784, 21.1241, 23.0041**.

A 20% lighter version of the original color is **53.3146, 41.8058, 17.0637**, and **16.5878, 9.2036, 0.9022** is the 20% darker color. If you saturate the color by 10%, you get **35.3266, 21.4179, 3.3031**, and if you desaturate by 10%, it is **39.3414, 27.8326, 9.6196**.

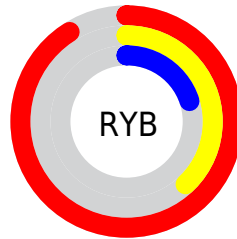
# Distribution



Red (91%)

Green (35%)

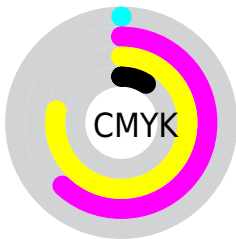
Blue (20%)



Red (91%)

Yellow (38%)

Blue (20%)

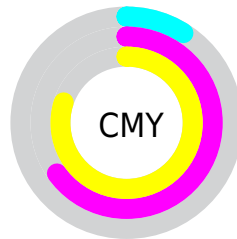


Cyan (0%)

Magenta (62%)

Yellow (78%)

Black (9%)



Cyan (9%)

Magenta (65%)


Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0204, 24.1987, 5.7372 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 37.0204, 24.1987, 5.7372 by changing the saturation by 10% instead.





 37.0204, 24.1987,  
5.7372


 37.0204, 24.1987,  
5.7372


324.7528,  
273.8235, 165.9261


 25.3970, 15.4811,  
2.6198


 69.9178, 50.3543,  
17.8511

 16.5034, 9.1577,  
0.9026


 91.9225, 68.5610,  
27.6846

 9.9742, 4.8442,  
0.0000


 118.1184, 90.6995,  
40.5939

 5.4440, 2.1561,  
0.0000

 148.8708,  
117.1543, 56.9976

 2.5474, 0.6959,  
0.0000

 184.5451,  
148.3097, 77.3141

 0.9192, 0.0000,  
0.0000

 225.5067,

 0.0000, 0.0000,

184.5501, 101.9619

0.0000

272.1208,  
226.2599, 131.3598

■ 37.0204, 24.1987,  
5.7372

■ 37.0204, 24.1987,  
5.7372

■ 35.3266, 21.4179,  
3.3031

■ 39.3414, 27.8326,  
9.6196

■ 34.1818, 19.4097,  
2.0540


■ 42.3467, 32.3799,  
15.1329


■ 34.0326, 19.1445,  
1.9015


■ 46.0885, 37.8999,  
22.4339


■ 50.6132, 44.4456,  
31.6604

■ 55.9631, 52.0661,  
42.9368

 62.1775, 60.8073,  
56.3769

 69.2932, 70.7123,  
72.0860

 77.3446, 81.8221,  
90.1628

 85.8940, 93.9873,  
108.2220

# Harmonies

## Analogous

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



42.6519, 24.1987, 17.3447



37.0204, 24.1987, 5.7372



28.1148, 24.1987, 2.2455

# Triad

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



37.0204, 24.1987, 5.7372



10.7488, 24.1987, 14.8998



26.7809, 24.1987, 102.2467

# Complementary

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



37.0204, 24.1987, 5.7372



34.8069, 44.5833, 82.3715

# 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.



18.5468, 24.1987, 100.0162



37.0204, 24.1987, 5.7372



10.5586, 24.1987, 38.0275

# Square

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



37.0204, 24.1987, 5.7372



13.6637, 24.1987, 4.8837



13.0594, 24.1987, 72.0503



35.8410, 24.1987, 77.0216



# Rectangle

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



37.0204, 24.1987, 5.7372



22.2120, 24.1987, 1.8784



13.0594, 24.1987, 72.0503



23.8067, 24.1987, 104.9859

# Sweetspot

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



37.0209, 24.2001, 5.7376



73.1837, 69.6031, 60.4988



43.9230, 23.2011, 53.6742



15.0898, 14.0873, 11.7142



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.



37.0209, 24.2001, 5.7376



43.2554, 25.1494, 3.0377



49.1933, 48.5448, 9.7950



14.6210, 14.8559, 15.0013



19.1518, 10.8777, 1.0902



1.4816, 0.9365, 0.1027

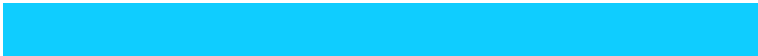


# Inverse Universe

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



34.8069, 44.5833, 82.3715



40.0030, 50.8263, 102.3098



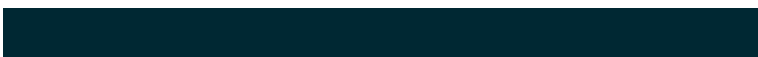
20.7197, 16.4088, 77.6757



14.5371, 15.7955, 18.4270



17.6134, 22.2889, 45.7570



1.3662, 1.7762, 3.4028



# Previews

## White Background



This preview shows how the XYZ color 37.0204, 24.1987, 5.7372 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 37.0204, 24.1987, 5.7372 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 37.0204, 24.1987, 5.7372**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.0204, 24.1987, 5.7372.



This preview shows how white text looks on a background with the XYZ color 37.0204, 24.1987,



# 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

37.0204, 24.1987, 5.7372

### Protanopia

22.3072, 24.4625, 8.3965

### Deuteranopia

24.7940, 24.3930, 5.3210



## Tritanopia

38.2105, 24.2010, 11.8899

# Trichromacy



## Original Color

37.0204, 24.1987, 5.7372

## Protanomaly

25.9766, 23.0931, 7.2260

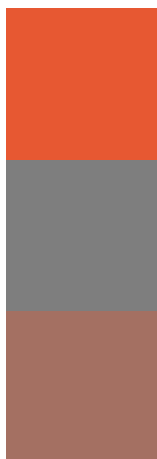
## Deuteranomaly

28.1916, 23.4155, 5.3193

## Tritanomaly

37.7632, 24.1472, 9.1491

# Monochromacy



## Original Color

37.0204, 24.1987, 5.7372

## Achromatopsia

19.8309, 20.8637, 22.7206

## Achromatomaly

23.3086, 20.3627, 14.2572

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.0204, 24.1987, 5.7372 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, 88, 50)` looks like.

```
.text, #text, p{  
    color:rgb(231, 88, 50)  
}
```

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, 88, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 88, 50) }
```

## Border

The CSS property to change the border of an element to XYZ 37.0204, 24.1987, 5.7372 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, 88, 50) }
```



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

```
.border{ border-color:rgb(231, 88, 50) }
```

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

Here you see how a box with a 4 pixel rgb(231, 88, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 88, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 88, 50);  
box-shadow:4px 4px 4px 4px rgb(231, 88,  
50) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.0204, 24.1987, 5.7372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 88, 50) }
```

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

```
.background{ background-color: rgb(231, 88,  
50) }
```

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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