

Converting Colors

XYZ(37.2603, 24.2946, 7.0005)

Have a look what the booklet for
XYZ(37.2603, 24.2946, 7.0005)
contains.

XYZ(37.2603, 24.2946, 7.0005)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.2603, 24.2946,
7.0005)**

Conversions

Conversions Part 1

Format	Color
Hex	E7583C
RGB	231, 88, 60
RGB Percent	91%, 35%, 24%
CMY	0.0941, 0.6549, 0.7647
CMYK	0.00, 0.62, 0.74, 0.09
HSL	10°, 78%, 57%
HSV	10°, 74%, 91%
XYZ	37.2603, 24.2946, 7.0005
YIQ	127.5650, 94.2160, 21.6080

Conversions

Conversions Part 2

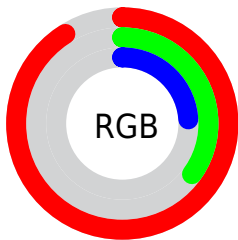
Format	Color
R_{YB}	231, 93, 60
Decimal	15161404
CIE _{Lab}	56.38, 53.95, 44.67
CIE _{LCh}	56, 70.043, 39.628
Yxy	24.2946, 0.5435, 0.3544
Android (android.graphics.Color)	4293351484 (0xFFE7583C)
YUV	127.5650, -33.3095, 90.7125
Hunter-Lab	49.2896, 48.6799, 26.0818

Details

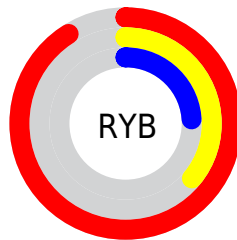
The XYZ color **37.2603, 24.2946, 7.0005** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **37.6412, 49.4380, 83.1593**, and the grayscale version is **20.4570, 21.5224, 23.4379**.

A 20% lighter version of the original color is **53.8228, 42.0090, 19.7398**, and **16.6605, 9.2326, 1.2847** is the 20% darker color. If you saturate the color by 10%, you get **35.3964, 21.3403, 3.9957**, and if you desaturate by 10%, it is **39.8117, 28.1983, 11.5486**.

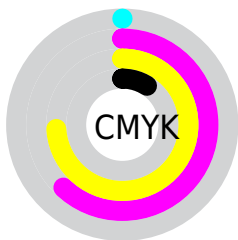
Distribution



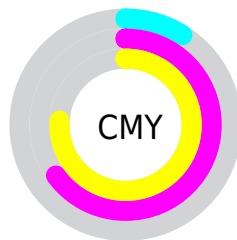
- Red (91%)
- Green (35%)
- Blue (24%)



- Red (91%)
- Yellow (36%)
- Blue (24%)



- Cyan (0%)
- Magenta (62%)
- Yellow (74%)
- Black (9%)





- Cyan (9%)
- Magenta (65%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2603, 24.2946, 7.0005 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 37.2603, 24.2946, 7.0005 by changing the saturation by 10% instead.


 37.2603, 24.2946,
7.0005


 37.2603, 24.2946,
7.0005


325.7721,
274.3065, 177.2990


 25.5837, 15.5523,
3.3840


 70.2842, 50.5105,
20.4871

 16.6435, 9.2079,
1.2939


 92.3622, 68.7529,
31.1942

 10.0744, 4.8770,
0.0568


 118.6380, 90.9308,
45.1020

 5.5109, 2.1753,
0.0000

 149.4770,
117.4286, 62.6289

 2.5879, 0.7065,
0.0000

 185.2446,
148.6307, 84.1935

 0.9398, 0.0000,
0.0000

 226.3060,

 0.0000, 0.0000,

184.9214, 110.2144

0.0000

273.0268,
226.6852, 141.1100

■ 37.2603, 24.2946,
7.0005

■ 37.2603, 24.2946,
7.0005

■ 35.3964, 21.3403,
3.9957

■ 39.8117, 28.1983,
11.5486

■ 34.1468, 19.2482,
2.3240


■ 43.1099, 33.1200,
17.8113


■ 33.6426, 18.3645,
1.7715


■ 47.2097, 39.1267,
25.9380

■ 52.1599, 46.2784,
36.0618

■ 58.0054, 54.6307,
48.3035

 64.7881, 64.2355,
62.7742

 72.5470, 75.1417,
79.5774

 81.3189, 87.3955,
98.8099

 86.7647, 95.7288,
108.5123

Harmonies

Analogous

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



42.0688, 24.2946, 19.6806



37.2603, 24.2946, 7.0005



28.9394, 24.2946, 2.8143

Triad

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



37.2603, 24.2946, 7.0005



11.3649, 24.2946, 13.7797



25.7913, 24.2946, 99.1477

Complementary

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



37.2603, 24.2946, 7.0005



37.6412, 49.4380, 83.1593

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.



18.0894, 24.2946, 94.0301



37.2603, 24.2946, 7.0005



10.9015, 24.2946, 34.6234

Square

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



37.2603, 24.2946, 7.0005



14.5246, 24.2946, 4.8402



13.0647, 24.2946, 66.2435



34.4987, 24.2946, 77.7244

Rectangle

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



37.2603, 24.2946, 7.0005



23.1924, 24.2946, 2.2342



13.0647, 24.2946, 66.2435



22.9905, 24.2946, 100.6670

Sweetspot

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



37.2608, 24.2960, 7.0009



74.1147, 70.5338, 63.6801



45.6324, 24.6453, 60.3310



15.3992, 14.4371, 12.6472



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.



37.2608, 24.2960, 7.0009



43.3533, 25.1502, 3.6713



48.3616, 46.4975, 10.7012



14.5667, 14.7474, 14.9832



18.9202, 10.4146, 1.0130



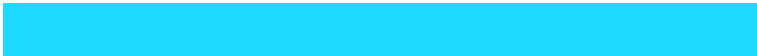
1.4559, 0.8851, 0.0941

Inverse Universe

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



37.6412, 49.4380, 83.1593



43.5571, 57.5212, 103.4147



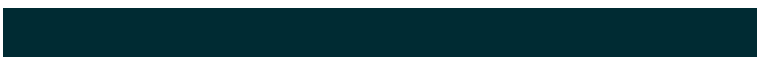
22.9858, 20.1272, 78.2741



14.5959, 15.9133, 18.4466



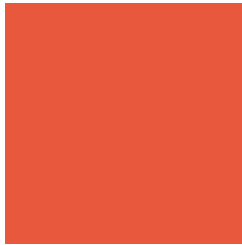
18.8754, 24.8129, 46.1777



1.4486, 1.9412, 3.4303

Previews

White Background



This preview shows how the XYZ color 37.2603, 24.2946, 7.0005 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 37.2603, 24.2946, 7.0005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

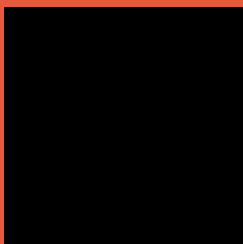
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2603, 24.2946, 7.0005

Background



This preview shows how black text looks on a background with the XYZ color 37.2603, 24.2946, 7.0005.



This preview shows how white text looks on a background with the XYZ color 37.2603, 24.2946,

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

37.2603, 24.2946, 7.0005

Protanopia

22.4686, 24.5059, 10.2025

Deuteranopia

24.8100, 24.3745, 6.5291



Tritanopia

38.2522, 24.2177, 12.1096

Trichromacy



Original Color

37.2603, 24.2946, 7.0005

Protanomaly

26.2927, 23.2196, 8.8904

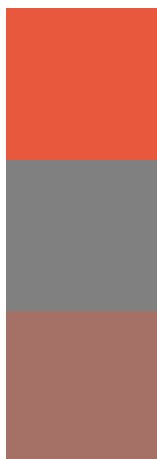
Deuteranomaly

28.4214, 23.5074, 6.5294

Tritanomaly

37.9024, 24.2029, 9.8817

Monochromacy



Original Color

37.2603, 24.2946, 7.0005

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.8704, 20.7889, 15.5865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2603, 24.2946, 7.0005 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, 60)` looks like.

```
.text, #text, p{  
    color:rgb(231, 88, 60)  
}
```

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, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 88, 60) }
```

Border

The CSS property to change the border of an element to XYZ 37.2603, 24.2946, 7.0005 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, 60) }
```


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

```
.border{ border-color:rgb(231, 88, 60) }
```

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, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 88, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 88, 60);  
box-shadow:4px 4px 4px 4px rgb(231, 88,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2603, 24.2946, 7.0005 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, 60) }
```

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

```
.background{ background-color: rgb(231, 88,  
60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor