

Converting Colors

XYZ(36.9447, 24.9134, 2.8616)

Have a look what the booklet for
XYZ(36.9447, 24.9134, 2.8616)
contains.

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Color

**XYZ(36.8693, 24.8176,
2.8471)**

Conversions

Conversions Part 1

Format	Color
Hex	E75D00
RGB	231, 93, 0
RGB Percent	91%, 36%, 0%
CMY	0.0941, 0.6353, 1.0000
CMYK	0.00, 0.60, 1.00, 0.09
HSL	24°, 100%, 45%
HSV	24°, 100%, 91%
XYZ	36.8693, 24.8176, 2.8471
YIQ	123.6600, 112.1010, 0.3330

Conversions

Conversions Part 2

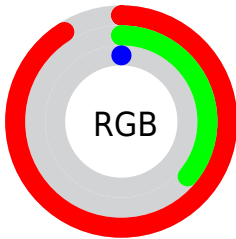
Format	Color
R_{YB}	231, 156, 0
Decimal	15162624
CIE Lab	56.90, 50.44, 66.32
CIE LCh	57, 83.324, 52.746
Yxy	24.8176, 0.5713, 0.3846
Android (android.graphics.Color)	4293352704 (0xFFE75D00)
YUV	123.6600, -60.9644, 94.1372
Hunter-Lab	49.8173, 44.9260, 31.4836

Details

The XYZ color **36.8693, 24.8176, 2.8471** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **23.5118, 23.9457, 78.9833**, and the grayscale version is **19.2165, 20.2173, 22.0166**.

A 20% lighter version of the original color is **52.6279, 42.5091, 10.4323**, and **16.5979, 9.5386, 0.9663** is the 20% darker color. If you saturate the color by 10%, you get **36.8694, 24.8183, 2.8472**, and if you desaturate by 10%, it is **38.3481, 27.5265, 4.1082**.

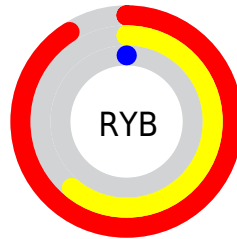
Distribution



Red (91%)

Green (36%)

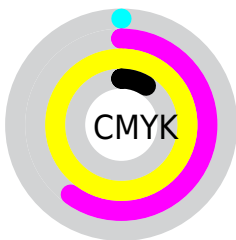
Blue (0%)



Red (91%)

Yellow (61%)

Blue (0%)

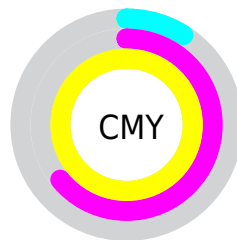


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8693, 24.8176, 2.8471 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 36.8693, 24.8176, 2.8471 by changing the saturation by 10% instead.


 36.8693, 24.8176,
2.8471


 36.8693, 24.8176,
2.8471


324.1097,
276.9284, 134.3888

 25.2795, 15.9412,
1.0171


 69.6869, 51.3612,
11.2488

 16.4153, 9.4826,
0.0000


 91.6454, 69.7971,
18.6575


 9.9112, 5.0573,
0.0000


 117.7908, 92.1884,
28.7629

 5.4019, 2.2809,
0.0000

 148.4885,
118.9194, 41.9835

 2.5221, 0.7636,
0.0000

 184.1039,
150.3745, 58.7379


 0.9064, 0.0000,
0.0000


 225.0024,


 0.0000, 0.0000,


186.9381, 79.4445


0.0000


 271.5492,
228.9946, 104.5219


 36.8693, 24.8176,
2.8471


 36.8693, 24.8176,
2.8471


 36.8694, 24.8183,
2.8472

 38.3481, 27.5265,
4.1082

 40.2417, 30.7672,
6.4239

 42.6199, 34.5852,
10.1096

 45.5266, 39.0133,
15.3495

 48.9998, 44.0810,
22.2988

■ 53.0734, 49.8158,
31.0937

■ 57.7782, 56.2429,
41.8565

■ 63.1427, 63.3865,
54.6986

■ 69.1937, 71.2690,
69.7234

Harmonies

Analogous

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



45.4721, 24.8176, 11.1136



36.8693, 24.8176, 2.8471



26.0381, 24.8176, 1.0842

Triad

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



36.8693, 24.8176, 2.8471



9.4405, 24.8176, 20.7884



31.6135, 24.8176, 113.0650

Complementary

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



36.8693, 24.8176, 2.8471



23.5118, 23.9457, 78.9833

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.



21.2974, 24.8176, 123.0836



36.8693, 24.8176, 2.8471



10.1695, 24.8176, 53.5838

Square

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



36.8693, 24.8176, 2.8471



11.5825, 24.8176, 5.7984



13.9546, 24.8176, 96.3441



41.8998, 24.8176, 74.3586

Rectangle

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



36.8693, 24.8176, 2.8471



19.6856, 24.8176, 1.1925



13.9546, 24.8176, 96.3441



27.9757, 24.8176, 120.6426

Sweetspot

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



36.8698, 24.8190, 2.8475



72.2004, 70.2429, 52.1360



37.5859, 18.8414, 25.9297



14.8997, 14.2834, 9.8747



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.



36.8698, 24.8190, 2.8475



46.0573, 30.8946, 3.5358



55.4862, 62.0517, 9.0529



14.8509, 15.3157, 15.0780



20.7839, 14.1419, 1.6342



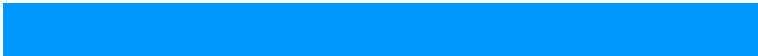
1.6249, 1.2232, 0.1505

Inverse Universe

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



23.5118, 23.9457, 78.9833



29.3322, 29.7844, 98.8107



14.7323, 6.3865, 76.0568



14.2952, 15.3118, 18.3464



13.3056, 13.6734, 44.3211



1.0737, 1.1913, 3.3053

Previews

White Background



This preview shows how the XYZ color 36.8693, 24.8176, 2.8471 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 36.8693, 24.8176, 2.8471 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 36.8693, 24.8176, 2.8471

Background



This preview shows how black text looks on a background with the XYZ color 36.8693, 24.8176, 2.8471.



This preview shows how white text looks on a background with the XYZ color 36.8693, 24.8176,

2.8471.

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

36.8693, 24.8176, 2.8471

Protanopia

22.4267, 24.8232, 4.4200

Deuteranopia

25.2162, 24.8495, 3.4674



Tritanopia

38.9442, 24.9127, 12.8813

Trichromacy



Original Color

36.8693, 24.8176, 2.8471

Protanomaly

26.2150, 23.6543, 3.6360

Deuteranomaly

28.6094, 24.1919, 3.1616

Tritanomaly

37.6405, 24.6163, 6.9052

Monochromacy



Original Color

36.8693, 24.8176, 2.8471

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

22.4207, 20.1613, 10.1070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8693, 24.8176, 2.8471 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, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(231, 93, 0)  
}
```

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, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 93, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.8693, 24.8176, 2.8471 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, 93, 0) }
```


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

```
.border{ border-color:rgb(231, 93, 0) }
```

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

Here you see how a box with a 4 pixel rgb(231, 93, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(231, 93, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.8693, 24.8176, 2.8471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 93, 0) }
```

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

```
.background{ background-color: rgb(231, 93,  
0) }
```

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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