

Converting Colors

XYZ(43.5338, 37.1784, 4.8817)

Have a look what the booklet for
XYZ(43.5338, 37.1784, 4.8817)
contains.

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Color

**XYZ(43.5775, 37.2702,
4.8971)**

Conversions

Conversions Part 1

Format	Color
Hex	E99000
RGB	233, 144, 0
RGB Percent	91%, 56%, 0%
CMY	0.0863, 0.4353, 1.0000
CMYK	0.00, 0.38, 1.00, 0.09
HSL	37°, 100%, 46%
HSV	37°, 100%, 91%
XYZ	43.5775, 37.2702, 4.8971
YIQ	154.1950, 99.2680, -25.9160

Conversions

Conversions Part 2

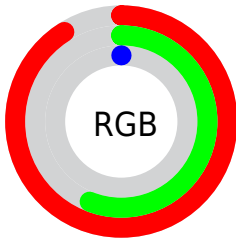
Format	Color
RYB	144, 233, 0
Decimal	15306752
CIELab	67.48, 25.72, 72.80
CIElCh	67, 77.215, 70.541
Yxy	37.2702, 0.5082, 0.4347
Android (android.graphics.Color)	4293496832 (0xFFE99000)
YUV	154.1950, -76.0181, 69.1120
Hunter-Lab	61.0493, 20.5784, 37.9786

Details

The XYZ color **43.5775, 37.2702, 4.8971** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **18.2807, 13.0287, 78.6413**, and the grayscale version is **31.0957, 32.7151, 35.6268**.

A 20% lighter version of the original color is **62.6701, 62.1426, 15.1702**, and **20.7089, 16.4866, 2.0908** is the 20% darker color. If you saturate the color by 10%, you get **43.5775, 37.2707, 4.8972**, and if you desaturate by 10%, it is **45.1377, 40.1385, 6.1956**.

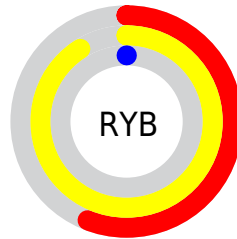
Distribution



Red (91%)

Green (56%)

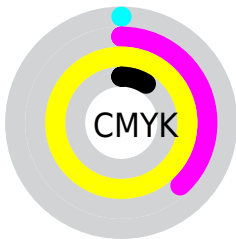
Blue (0%)



Red (56%)

Yellow (91%)

Blue (0%)

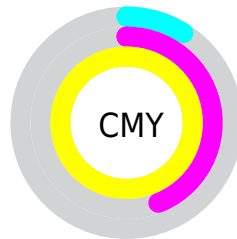


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.5775, 37.2702, 4.8971 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 43.5775, 37.2702, 4.8971 by changing the saturation by 10% instead.


 43.5775, 37.2702,
4.8971

 43.5775, 37.2702,
4.8971

351.8628,
334.4789, 157.7283


 30.5350, 25.4168,
2.1293


 79.8319, 70.9882,
16.0309


 20.3951, 16.3878,
0.6331


 103.7745, 93.6215,
25.2341


 12.7925, 9.7990,
0.0000


 132.0811,
120.6169, 37.4194

 7.3618, 5.2659,
0.0000

 165.1172,
152.3587, 53.0056

 3.7377, 2.4041,
0.0000

 203.2480,
189.2315, 72.4109


 1.5549, 0.8280,
0.0000

 246.8390,


 0.3627, 0.0000,


231.6195, 96.0542


0.0000


 296.2555,
279.9071, 124.3538


 0.0000, 0.0000,
0.0000


 43.5775, 37.2702,
4.8971


 43.5775, 37.2702,
4.8971

 43.5775, 37.2707,
4.8972

 45.1377, 40.1385,
6.1956

 46.9955, 43.2981,
8.5289

 49.2141, 46.7794,
12.2153

 51.8309, 50.6011,
17.4405

 54.8776, 54.7791,
24.3606

■ 58.3820, 59.3281,
33.1127

■ 62.3695, 64.2613,
43.8193

■ 66.8632, 69.5912,
56.5925

■ 71.8845, 75.3295,
71.5359

Harmonies

Analogous

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



55.7348, 37.2702, 11.2113



43.5775, 37.2702, 4.8971



31.4140, 37.2702, 4.2828

Triad

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



43.5775, 37.2702, 4.8971



17.4012, 37.2702, 53.7398



52.4110, 37.2702, 113.2000

Complementary

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



43.5775, 37.2702, 4.8971



18.2807, 13.0287, 78.6413

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.



39.7620, 37.2702, 144.6113



43.5775, 37.2702, 4.8971



20.7661, 37.2702, 99.5573

Square

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



43.5775, 37.2702, 4.8971



17.9789, 37.2702, 22.4799



28.3571, 37.2702, 138.5650



61.5709, 37.2702, 66.4591

Rectangle

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



43.5775, 37.2702, 4.8971



25.0534, 37.2702, 6.3175



28.3571, 37.2702, 138.5650



48.3223, 37.2702, 126.8266

Sweetspot

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



43.5783, 37.2722, 4.8978



76.4627, 78.7676, 53.5568



35.4209, 18.0505, 11.1399



15.9073, 16.2986, 10.2106



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.



43.5783, 37.2722, 4.8978



53.3987, 45.5774, 5.9829



54.5415, 71.3729, 10.9021



15.8407, 16.6044, 15.8888



24.8505, 21.3952, 2.8199



2.0438, 1.8649, 0.2522

Inverse Universe

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



18.2807, 13.0287, 78.6413



22.3618, 15.8435, 96.4873



15.1651, 6.1191, 77.4718



14.7028, 15.4921, 19.1376



10.4832, 7.6135, 44.6600



0.9136, 0.7786, 3.5370

Previews

White Background



This preview shows how the XYZ color 43.5775, 37.2702, 4.8971 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 43.5775, 37.2702, 4.8971 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 ✓ Pass

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

XYZ 43.5775, 37.2702, 4.8971

Background



This preview shows how black text looks on a background with the XYZ color 43.5775, 37.2702, 4.8971.



This preview shows how white text looks on a background with the XYZ color 43.5775, 37.2702,

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

43.5775, 37.2702, 4.8971

Protanopia

33.8060, 37.3898, 5.9655

Deuteranopia

37.9009, 37.1868, 5.1802



Tritanopia

49.1557, 37.4145, 31.0165

Trichromacy



Original Color

43.5775, 37.2702, 4.8971

Protanomaly

36.7460, 36.8346, 5.4897

Deuteranomaly

39.8435, 37.2082, 5.0819

Tritanomaly

45.9453, 36.9542, 14.8365

Monochromacy



Original Color

43.5775, 37.2702, 4.8971

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.6394, 32.7618, 16.1587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.5775, 37.2702, 4.8971 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(233, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 144, 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(233, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 144, 0) }
```

Border

The CSS property to change the border of an element to XYZ 43.5775, 37.2702, 4.8971 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(233, 144, 0) }
```


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

```
.border{ border-color:rgb(233, 144, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 144,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 43.5775, 37.2702, 4.8971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 144, 0) }
```

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

```
.background{ background-color: rgb(233,  
144, 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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