

Converting Colors

XYZ(37.9189, 24.9741, 2.8219)

Have a look what the booklet for
XYZ(37.9189, 24.9741, 2.8219)
contains.

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Color

**XYZ(37.9171, 24.9745,
2.8221)**

Conversions

Conversions Part 1

Format	Color
Hex	EB5A00
RGB	235, 90, 0
RGB Percent	92%, 35%, 0%
CMY	0.0784, 0.6470, 1.0000
CMYK	0.00, 0.62, 1.00, 0.08
HSL	23°, 100%, 46%
HSV	23°, 100%, 92%
XYZ	37.9171, 24.9745, 2.8221
YIQ	123.0950, 115.3100, 2.7500

Conversions

Conversions Part 2

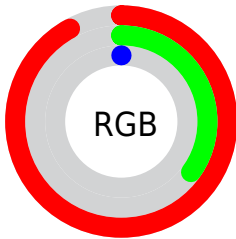
Format	Color
RYB	235, 146, 0
Decimal	15424000
CIELab	57.05, 53.20, 66.76
CIElCh	57, 85.366, 51.449
Yxy	24.9745, 0.5770, 0.3801
Android (android.graphics.Color)	4293614080 (0xFFEB5A00)
YUV	123.0950, -60.6858, 98.1407
Hunter-Lab	49.9745, 47.9778, 31.6340

Details

The XYZ color **37.9171, 24.9745, 2.8221** 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 **25.1199, 26.2472, 82.3388**, and the grayscale version is **19.0269, 20.0178, 21.7993**.

A 20% lighter version of the original color is **52.3195, 41.8925, 10.3295**, and **17.3111, 9.6910, 0.9581** is the 20% darker color. If you saturate the color by 10%, you get **37.9174, 24.9754, 2.8223**, and if you desaturate by 10%, it is **39.4221, 27.7293, 4.1119**.

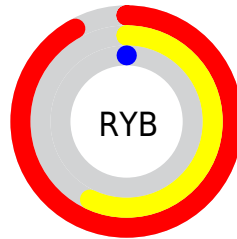
Distribution



Red (92%)

Green (35%)

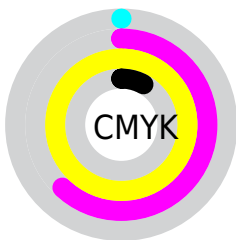
Blue (0%)



Red (92%)

Yellow (57%)

Blue (0%)

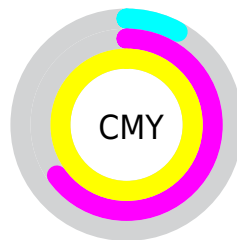


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9171, 24.9745, 2.8221 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 37.9171, 24.9745, 2.8221 by changing the saturation by 10% instead.


 37.9171, 24.9745,
2.8221


 37.9171, 24.9745,
2.8221


328.5512,
277.7109, 134.0615


 26.0953, 16.0581,
1.0045


 71.2858, 51.6159,
11.1862


 17.0280, 9.5652,
0.0000


 93.5633, 70.1096,
18.5698


 10.3499, 5.1117,
0.0000


 120.0569, 92.5645,
28.6459

 5.6956, 2.3129,
0.0000

 151.1317,
119.3650, 41.8329

 2.6998, 0.7805,
0.0000

 187.1532,
150.8955, 58.5495


 0.9971, 0.0000,
0.0000


 228.4867,


 0.0000, 0.0000,


187.5404, 79.2140


0.0000


 275.4976,
229.6841, 104.2452


 37.9171, 24.9745,
2.8221


 37.9171, 24.9745,
2.8221

 37.9174, 24.9754,
2.8223

 39.4221, 27.7293,
4.1119

 41.3716, 31.0628,
6.5050

 43.8393, 35.0249,
10.3281

 46.8721, 39.6521,
15.7739

 50.5109, 44.9775,
23.0048

■ 54.7918, 51.0315,
32.1632

■ 59.7481, 57.8425,
43.3768

■ 65.4103, 65.4373,
56.7624

■ 71.8072, 73.8412,
72.4279

Harmonies

Analogous

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



46.6229, 24.9745, 11.5711



37.9171, 24.9745, 2.8221



26.7255, 24.9745, 0.9750

Triad

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



37.9171, 24.9745, 2.8221



9.3066, 24.9745, 19.7723



31.5205, 24.9745, 117.9488

Complementary

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



37.9171, 24.9745, 2.8221



25.1199, 26.2472, 82.3388

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.



20.9810, 24.9745, 126.7072



37.9171, 24.9745, 2.8221



9.9209, 24.9745, 52.8375

Square

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



37.9171, 24.9745, 2.8221



11.6137, 24.9745, 5.2400



13.6238, 24.9745, 97.4060



42.2640, 24.9745, 78.2572

Rectangle

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



37.9171, 24.9745, 2.8221



20.1077, 24.9745, 1.0288



13.6238, 24.9745, 97.4060



27.7798, 24.9745, 125.3573

Sweetspot

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



37.9176, 24.9759, 2.8225



71.8334, 69.5088, 52.0137



39.6723, 19.8268, 30.1005



14.8138, 14.1115, 9.8461



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.



37.9176, 24.9759, 2.8225



45.5766, 29.9332, 3.3755



55.7744, 60.6894, 8.7747



15.5384, 15.9998, 15.7880



21.2171, 14.1284, 1.6088



1.7565, 1.2904, 0.1565

Inverse Universe

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



25.1199, 26.2472, 82.3388



30.1634, 31.4468, 99.0878



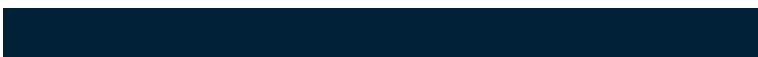
15.4942, 6.9958, 79.1303



15.0051, 16.0966, 19.2384



14.1074, 14.8619, 45.8681



1.2003, 1.3521, 3.6326

Previews

White Background



This preview shows how the XYZ color 37.9171, 24.9745, 2.8221 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 37.9171, 24.9745, 2.8221 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 37.9171, 24.9745, 2.8221

Background



This preview shows how black text looks on a background with the XYZ color 37.9171, 24.9745, 2.8221.



This preview shows how white text looks on a background with the XYZ color 37.9171, 24.9745,

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

37.9171, 24.9745, 2.8221

Protanopia

22.7709, 25.2115, 4.5303

Deuteranopia

25.2162, 24.8495, 3.4674



Tritanopia

39.8985, 25.0664, 12.1866

Trichromacy



Original Color

37.9171, 24.9745, 2.8221

Protanomaly

26.6908, 23.8996, 3.6583

Deuteranomaly

28.8957, 23.9972, 3.1090

Tritanomaly

38.6584, 24.7839, 6.6171

Monochromacy



Original Color

37.9171, 24.9745, 2.8221

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

22.3694, 19.8115, 9.8527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9171, 24.9745, 2.8221 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(235, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 90, 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(235, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 90, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.9171, 24.9745, 2.8221 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(235, 90, 0) }
```


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

```
.border{ border-color:rgb(235, 90, 0) }
```

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

Here you see how a box with a 4 pixel rgb(235, 90, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 90, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.9171, 24.9745, 2.8221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 90, 0) }
```

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

```
.background{ background-color: rgb(235, 90,  
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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