

Converting Colors

XYZ(40.2462, 32.9965, 4.2478)

Have a look what the booklet for
XYZ(40.2462, 32.9965, 4.2478)
contains.

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Color

**XYZ(40.2462, 32.9965,
4.2478)**

Conversions

Conversions Part 1

Format	Color
Hex	E48400
RGB	228, 132, 0
RGB Percent	89%, 52%, 0%
CMY	0.1059, 0.4823, 1.0000
CMYK	0.00, 0.42, 1.00, 0.11
HSL	35°, 100%, 45%
HSV	35°, 100%, 89%
XYZ	40.2462, 32.9965, 4.2478
YIQ	145.6560, 99.5880, -20.7000

Conversions

Conversions Part 2

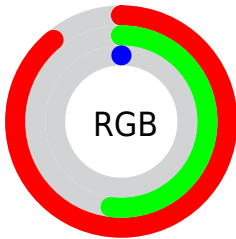
Format	Color
RYB	166, 228, 0
Decimal	14976000
CIELab	64.16, 29.95, 70.37
CIELCh	64, 76.481, 66.944
Yxy	32.9965, 0.5194, 0.4258
Android (android.graphics.Color)	4293166080 (0xFFE48400)
YUV	145.6560, -71.8084, 72.2157
Hunter-Lab	57.4426, 24.5386, 35.8254

Details

The XYZ color **40.2462, 32.9965, 4.2478** is a dark color, and the websafe version is hex **FF9933**, and the color name is **fulvous**. The color can be described as dark washed orange. A complement of this color would be **18.1869, 13.9680, 75.1358**, and the grayscale version is **27.4382, 28.8671, 31.4363**.

A 20% lighter version of the original color is **59.9686, 56.8457, 13.9425**, and **18.7432, 14.1416, 1.7417** is the 20% darker color. If you saturate the color by 10%, you get **40.2462, 32.9969, 4.2478**, and if you desaturate by 10%, it is **41.7620, 35.7841, 5.5067**.

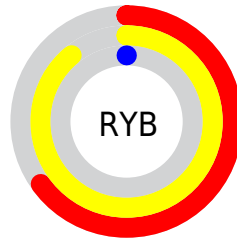
Distribution



Red (89%)

Green (52%)

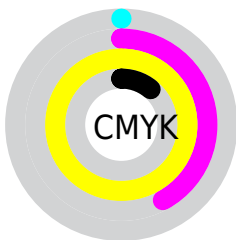
Blue (0%)



Red (65%)

Yellow (89%)

Blue (0%)

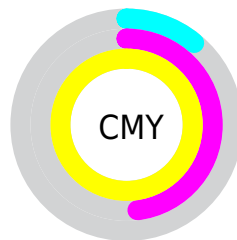


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2462, 32.9965, 4.2478 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 40.2462, 32.9965, 4.2478 by changing the saturation by 10% instead.


 40.2462, 32.9965,
4.2478


 40.2462, 32.9965,
4.2478


338.2768,
315.6340, 150.9411

 27.9156, 22.1238,
1.7622


 74.8202, 64.3701,
14.5773

 18.4022, 13.9479,
0.4029


 97.7944, 85.6397,
23.2584

 11.3406, 8.0844,
0.0000


 125.0471,
111.1437, 34.8417

 6.3654, 4.1490,
0.0000

 156.9438,
141.2666, 49.7459

 3.1113, 1.7573,
0.0000

 193.8497,
176.3926, 68.3893


 1.2129, 0.4603,
0.0000

 236.1303,


 0.1165, 0.0000,


216.9063, 91.1906


0.0000


 284.1509,
263.1919, 118.5684


 0.0000, 0.0000,
0.0000


 40.2462, 32.9965,
4.2478


 40.2462, 32.9965,
4.2478


 40.2462, 32.9969,
4.2478

 41.7620, 35.7841,
5.5067

 43.5800, 38.8877,
7.7540

 45.7617, 42.3382,
11.2951

 48.3430, 46.1547,
16.3062

 51.3549, 50.3537,
22.9355

■ 54.8246, 54.9507,
31.3129

■ 58.7765, 59.9596,
41.5551

■ 63.2333, 65.3934,
53.7684

■ 68.2160, 71.2647,
68.0513

Harmonies

Analogous

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



51.1260, 32.9965, 10.6800



40.2462, 32.9965, 4.2478



28.9111, 32.9965, 3.2884

Triad

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



40.2462, 32.9965, 4.2478



14.8982, 32.9965, 43.6318



45.6190, 32.9965, 107.7913

Complementary

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



40.2462, 32.9965, 4.2478



18.1869, 13.9680, 75.1358

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.



33.9481, 32.9965, 133.6182



40.2462, 32.9965, 4.2478



17.4880, 32.9965, 85.0229

Square

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



40.2462, 32.9965, 4.2478



15.8371, 32.9965, 17.2649



23.8924, 32.9965, 123.4983



54.6935, 32.9965, 64.7156

Rectangle

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



40.2462, 32.9965, 4.2478



22.8401, 32.9965, 4.6732



23.8924, 32.9965, 123.4983



41.7774, 32.9965, 119.6441

Sweetspot

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



40.2469, 32.9983, 4.2484



75.6579, 77.1578, 53.2885



34.2377, 17.3913, 13.3082



15.7158, 15.9155, 10.1468



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.



40.2469, 32.9983, 4.2484



51.7726, 42.3252, 5.4409



55.1259, 69.6027, 10.5296



15.0666, 15.7470, 15.1498



23.3596, 19.2933, 2.4928



1.8176, 1.6086, 0.2147

Inverse Universe

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



18.1869, 13.9680, 75.1358



23.3459, 17.8118, 96.8153



14.2041, 5.7050, 73.7508



14.0791, 14.8795, 18.2743



10.6129, 8.2878, 43.4235



0.8745, 0.7929, 3.2389

Previews

White Background



This preview shows how the XYZ color 40.2462, 32.9965, 4.2478 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 40.2462, 32.9965, 4.2478 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 40.2462, 32.9965, 4.2478

Background



This preview shows how black text looks on a background with the XYZ color 40.2462, 32.9965, 4.2478.



This preview shows how white text looks on a background with the XYZ color 40.2462, 32.9965,

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

40.2462, 32.9965, 4.2478

Protanopia

29.9021, 33.0507, 5.3757

Deuteranopia

33.6159, 33.0501, 4.6076



Tritanopia

44.8521, 33.1555, 25.8655

Trichromacy



Original Color

40.2462, 32.9965, 4.2478

Protanomaly

32.9998, 32.4937, 4.8492

Deuteranomaly

35.6854, 32.7559, 4.4417

Tritanomaly

42.0161, 32.5507, 12.4559

Monochromacy



Original Color

40.2462, 32.9965, 4.2478

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.4052, 29.0702, 14.4172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2462, 32.9965, 4.2478 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(228, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(228, 132, 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(228, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 132, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.2462, 32.9965, 4.2478 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(228, 132, 0) }
```


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

```
.border{ border-color:rgb(228, 132, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 132, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(228, 132,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2462, 32.9965, 4.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 132, 0) }
```

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

```
.background{ background-color: rgb(228,  
132, 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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