

Converting Colors

XYZ(40.3067, 32.6277, 4.2308)

Have a look what the booklet for
XYZ(40.3067, 32.6277, 4.2308)
contains.

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Color

**XYZ(40.3067, 32.6277,
4.2308)**

Conversions

Conversions Part 1

Format	Color
Hex	E58202
RGB	229, 130, 2
RGB Percent	90%, 51%, 1%
CMY	0.1020, 0.4902, 0.9921
CMYK	0.00, 0.43, 0.99, 0.10
HSL	34°, 98%, 45%
HSV	34°, 99%, 90%
XYZ	40.3067, 32.6277, 4.2308
YIQ	145.0090, 100.0920, -18.8200

Conversions

Conversions Part 2

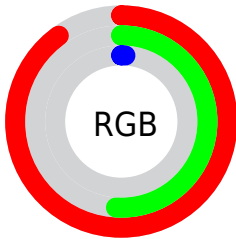
Format	Color
R_{YB}	178, 229, 2
Decimal	15041026
CIE _{Lab}	63.86, 31.43, 69.95
CIE _{LCh}	64, 76.684, 65.801
Yxy	32.6277, 0.5223, 0.4228
Android (android.graphics.Color)	4293231106 (0xFFE58202)
YUV	145.0090, -70.5034, 73.6601
Hunter-Lab	57.1207, 25.9958, 35.5930

Details

The XYZ color **40.3067, 32.6277, 4.2308** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **18.8217, 14.9777, 76.0271**, and the grayscale version is **27.1678, 28.5827, 31.1265**.

A 20% lighter version of the original color is **59.5502, 56.0089, 13.8030**, and **18.8050, 13.9528, 1.7020** is the 20% darker color. If you saturate the color by 10%, you get **40.1803, 32.3929, 4.1347**, and if you desaturate by 10%, it is **41.8645, 35.4821, 5.5568**.

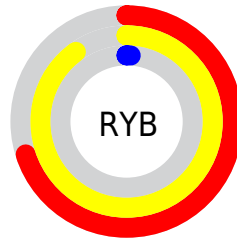
Distribution



Red (90%)

Green (51%)

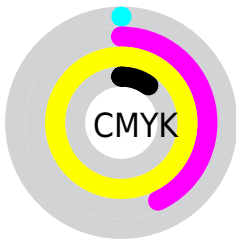
Blue (1%)



Red (70%)

Yellow (90%)

Blue (1%)

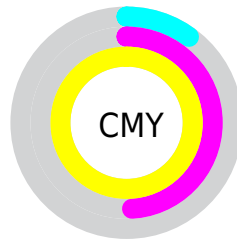


Cyan (0%)

Magenta (43%)

Yellow (99%)

Black (10%)



Cyan (10%)


Magenta (49%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3067, 32.6277, 4.2308 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 40.3067, 32.6277, 4.2308 by changing the saturation by 10% instead.


 40.3067, 32.6277,
4.2308


 40.3067, 32.6277,
4.2308


338.5269,
313.9688, 150.7572


 27.9630, 21.8414,
1.7528


 74.9117, 63.7938,
14.5386


 18.4381, 13.7404,
0.3965


 97.9037, 84.9425,
23.2056

 11.3666, 7.9403,
0.0000


 125.1759,
110.3140, 34.7726

 6.3831, 4.0568,
0.0000

 157.0937,
140.2928, 49.6581

 3.1222, 1.7054,
0.0000

 194.0222,
175.2633, 68.2808


 1.2187, 0.4271,
0.0000

 236.3271,


 0.1211, 0.0000,


215.6098, 91.0592


0.0000


 284.3735,
261.7169, 118.4118

 0.0000, 0.0000,
0.0000

 40.3067, 32.6277,
4.2308


 40.3067, 32.6277,
4.2308


 40.1803, 32.3929,
4.1347

 41.8645, 35.4821,
5.5568

 43.7457, 38.6763,
7.9353

 46.0060, 42.2395,
11.6406

 48.6819, 46.1914,
16.8479

 51.8043, 50.5495,
23.7053

■ 55.4008, 55.3297,
32.3428

■ 59.4965, 60.5467,
42.8773

■ 64.1142, 66.2142,
55.4159

■ 69.2753, 72.3452,
70.0574

Harmonies

Analogous

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



51.0418, 32.6277, 10.8870



40.3067, 32.6277, 4.2308



28.9634, 32.6277, 3.1498

Triad

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



40.3067, 32.6277, 4.2308



14.6242, 32.6277, 41.8702



44.7847, 32.6277, 108.6891

Complementary

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



40.3067, 32.6277, 4.2308



18.8217, 14.9777, 76.0271

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.



33.1542, 32.6277, 133.3453



40.3067, 32.6277, 4.2308



17.0561, 32.6277, 82.7908

Square

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



40.3067, 32.6277, 4.2308



15.6880, 32.6277, 16.3270



23.2682, 32.6277, 121.8307



54.0184, 32.6277, 65.8341

Rectangle

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



40.3067, 32.6277, 4.2308



22.8370, 32.6277, 4.4030



23.2682, 32.6277, 121.8307



40.9358, 32.6277, 120.2417

Sweetspot

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



40.3074, 32.6294, 4.2314



75.3514, 76.5448, 53.1864



34.8412, 17.7041, 14.7188



15.6430, 15.7700, 10.1225



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.



40.3074, 32.6294, 4.2314



51.1819, 41.1437, 5.2440



56.8389, 70.8940, 10.7459



15.0479, 15.7098, 15.1436



23.0953, 18.7647, 2.4047



1.7987, 1.5707, 0.2084

Inverse Universe

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



18.8217, 14.9777, 76.0271



23.7571, 18.6342, 96.9524



14.3359, 5.7890, 74.4899



14.0973, 14.9161, 18.2804



10.7996, 8.6613, 43.4858



0.8891, 0.8221, 3.2438

Previews

White Background



This preview shows how the XYZ color 40.3067, 32.6277, 4.2308 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 40.3067, 32.6277, 4.2308 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 40.3067, 32.6277, 4.2308

Background



This preview shows how black text looks on a background with the XYZ color 40.3067, 32.6277, 4.2308.



This preview shows how white text looks on a background with the XYZ color 40.3067, 32.6277,

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

40.3067, 32.6277, 4.2308

Protanopia

29.6768, 32.9346, 5.3651

Deuteranopia

33.1987, 32.6032, 4.5433



Tritanopia

44.7983, 32.7789, 25.0849

Trichromacy



Original Color

40.3067, 32.6277, 4.2308

Protanomaly

33.0058, 32.4961, 4.8806

Deuteranomaly

35.5428, 32.4618, 4.4212

Tritanomaly

42.0477, 32.1956, 12.1818

Monochromacy



Original Color

40.3067, 32.6277, 4.2308

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.2584, 28.7766, 14.3683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3067, 32.6277, 4.2308 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(229, 130, 2)` looks like.

```
.text, #text, p{  
    color:rgb(229, 130, 2)  
}
```

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(229, 130, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 130, 2) }
```

Border

The CSS property to change the border of an element to XYZ 40.3067, 32.6277, 4.2308 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(229, 130, 2) }
```


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

```
.border{ border-color:rgb(229, 130, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 130, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 130, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 130, 2);  
box-shadow:4px 4px 4px 4px rgb(229, 130,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3067, 32.6277, 4.2308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 130, 2) }
```

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

```
.background{ background-color: rgb(229,  
130, 2) }
```

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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