

Converting Colors

XYZ(40.2712, 32.3371, 4.1192)

Have a look what the booklet for
XYZ(40.2712, 32.3371, 4.1192)
contains.

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Color

**XYZ(40.1634, 32.3585,
4.1290)**

Conversions

Conversions Part 1

Format	Color
Hex	E58100
RGB	229, 129, 0
RGB Percent	90%, 51%, 0%
CMY	0.1020, 0.4941, 1.0000
CMYK	0.00, 0.44, 1.00, 0.10
HSL	34°, 100%, 45%
HSV	34°, 100%, 90%
XYZ	40.1634, 32.3585, 4.1290
YIQ	144.1940, 101.0090, -18.9190

Conversions

Conversions Part 2

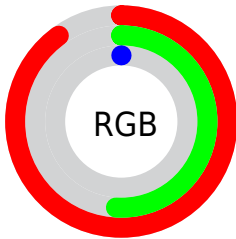
Format	Color
RYB	178, 229, 0
Decimal	15040768
CIELab	63.64, 31.94, 70.11
CIElCh	64, 77.045, 65.511
Yxy	32.3585, 0.5240, 0.4222
Android (android.graphics.Color)	4293230848 (0xFFE58100)
YUV	144.1940, -71.0876, 74.3749
Hunter-Lab	56.8845, 26.4822, 35.5156

Details

The XYZ color **40.1634, 32.3585, 4.1290** 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 **18.7004, 14.7721, 75.9940**, and the grayscale version is **26.8382, 28.2359, 30.7489**.

A 20% lighter version of the original color is **59.3108, 55.5819, 13.5636**, and **18.7323, 13.8075, 1.6778** is the 20% darker color. If you saturate the color by 10%, you get **40.1634, 32.3590, 4.1291**, and if you desaturate by 10%, it is **41.7002, 35.1865, 5.3998**.

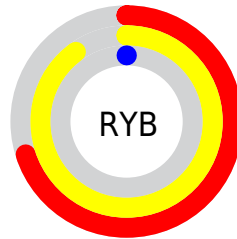
Distribution



Red (90%)

Green (51%)

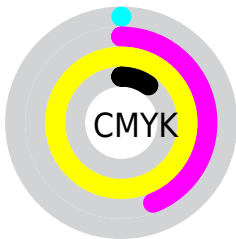
Blue (0%)



Red (70%)

Yellow (90%)

Blue (0%)

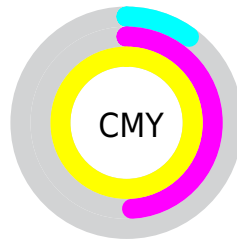


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1634, 32.3585, 4.1290 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 40.1634, 32.3585, 4.1290 by changing the saturation by 10% instead.


 40.1634, 32.3585,
4.1290


 40.1634, 32.3585,
4.1290


337.9344,
312.7491, 149.6486


 27.8507, 21.6355,
1.6964


 74.6950, 63.3727,
14.3062

 18.3531, 13.5893,
0.3582


 97.6447, 84.4326,
22.8878


 11.3050, 7.8356,
0.0000


 124.8708,
109.7070, 34.3563

 6.3412, 3.9899,
0.0000

 156.7386,
139.5802, 49.1300

 3.0962, 1.6679,
0.0000

 193.6135,
174.4366, 67.6275


 1.2049, 0.4028,
0.0000

 235.8609,


 0.1102, 0.0000,


214.6606, 90.2674


0.0000


 283.8461,
260.6367, 117.4683


 0.0000, 0.0000,
0.0000

 40.1634, 32.3585,
4.1290


 40.1634, 32.3585,
4.1290


 40.1634, 32.3590,
4.1291

 41.7002, 35.1865,
5.3998

 43.5507, 38.3505,
7.6722

 45.7773, 41.8823,
11.2546

 48.4167, 45.8019,
16.3249

 51.5005, 50.1268,
23.0334

■ 55.0564, 54.8732,
31.5113

■ 59.1098, 60.0559,
41.8767

■ 63.6836, 65.6887,
54.2372

■ 68.7995, 71.7848,
68.6923

Harmonies

Analogous

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



50.8803, 32.3585, 10.7911



40.1634, 32.3585, 4.1290



28.8095, 32.3585, 3.0317

Triad

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



40.1634, 32.3585, 4.1290



14.4048, 32.3585, 41.2413



44.4212, 32.3585, 108.9184

Complementary

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



40.1634, 32.3585, 4.1290



18.7004, 14.7721, 75.9940

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.



32.7878, 32.3585, 133.3782



40.1634, 32.3585, 4.1290



16.7909, 32.3585, 82.1313

Square

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



40.1634, 32.3585, 4.1290



15.4971, 32.3585, 15.9232



22.9455, 32.3585, 121.4585



53.7133, 32.3585, 65.9789

Rectangle

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



40.1634, 32.3585, 4.1290



22.6711, 32.3585, 4.2370



22.9455, 32.3585, 121.4585



40.5648, 32.3585, 120.4409

Sweetspot

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



40.1641, 32.3602, 4.1296



75.3399, 76.5220, 53.1826



34.7640, 17.6385, 14.4189



15.6403, 15.7645, 10.1216



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.



40.1641, 32.3602, 4.1296



51.1602, 41.1004, 5.2367



56.7982, 70.8744, 10.6869



15.0472, 15.7084, 15.1434



23.0856, 18.7453, 2.4015



1.7980, 1.5694, 0.2081

Inverse Universe

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



18.7004, 14.7721, 75.9940



23.7728, 18.6656, 96.9576



14.2871, 5.7317, 74.4816



14.0980, 14.9174, 18.2806



10.8067, 8.6755, 43.4881



0.8896, 0.8232, 3.2440

Previews

White Background



This preview shows how the XYZ color 40.1634, 32.3585, 4.1290 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 40.1634, 32.3585, 4.1290 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 40.1634, 32.3585, 4.1290

Background



This preview shows how black text looks on a background with the XYZ color 40.1634, 32.3585, 4.1290.



This preview shows how white text looks on a background with the XYZ color 40.1634, 32.3585,

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

40.1634, 32.3585, 4.1290

Protanopia

29.2861, 32.4850, 5.2990

Deuteranopia

32.9394, 32.4695, 4.5312



Tritanopia

44.2170, 32.3151, 24.3290

Trichromacy



Original Color

40.1634, 32.3585, 4.1290

Protanomaly

32.5874, 32.0513, 4.7856

Deuteranomaly

35.1102, 32.0216, 4.3303

Tritanomaly

41.8469, 31.9158, 11.7394

Monochromacy



Original Color

40.1634, 32.3585, 4.1290

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.8436, 28.3519, 14.0775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1634, 32.3585, 4.1290 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, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 129, 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(229, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 129, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.1634, 32.3585, 4.1290 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, 129, 0) }
```


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

```
.border{ border-color:rgb(229, 129, 0) }
```

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

Here you see how a box with a 4 pixel rgb(229, 129, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 129,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1634, 32.3585, 4.1290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 129, 0) }
```

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

```
.background{ background-color: rgb(229,  
129, 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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