

Converting Colors

XYZ(40.8316, 32.2376, 4.0704)

Have a look what the booklet for
XYZ(40.8316, 32.2376, 4.0704)
contains.

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Color

**XYZ(40.8681, 32.3345,
4.0872)**

Conversions

Conversions Part 1

Format	Color
Hex	E87F00
RGB	232, 127, 0
RGB Percent	91%, 50%, 0%
CMY	0.0902, 0.5019, 1.0000
CMYK	0.00, 0.45, 1.00, 0.09
HSL	33°, 100%, 45%
HSV	33°, 100%, 91%
XYZ	40.8681, 32.3345, 4.0872
YIQ	143.9170, 103.3470, -17.2370

Conversions

Conversions Part 2

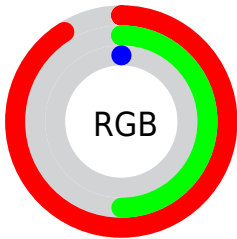
Format	Color
RYB	192, 232, 0
Decimal	15236864
CIELab	63.62, 34.20, 70.31
CIELCh	64, 78.186, 64.058
Yxy	32.3345, 0.5288, 0.4184
Android (android.graphics.Color)	4293426944 (0xFFE87F00)
YUV	143.9170, -70.9511, 77.2488
Hunter-Lab	56.8634, 28.7780, 35.5428

Details

The XYZ color **40.8681, 32.3345, 4.0872** 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 **19.6173, 15.9297, 78.3842**, and the grayscale version is **26.7248, 28.1165, 30.6189**.

A 20% lighter version of the original color is **58.9012, 54.7627, 13.4271**, and **18.9466, 13.6039, 1.6272** is the 20% darker color. If you saturate the color by 10%, you get **40.8682, 32.3351, 4.0873**, and if you desaturate by 10%, it is **42.4531, 35.2541, 5.3889**.

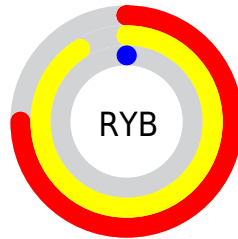
Distribution



Red (91%)

Green (50%)

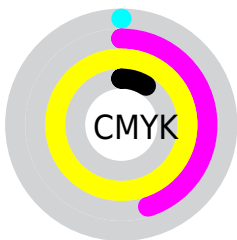
Blue (0%)



Red (75%)

Yellow (91%)

Blue (0%)

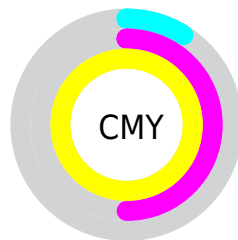


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (50%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8681, 32.3345, 4.0872 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 40.8681, 32.3345, 4.0872 by changing the saturation by 10% instead.


 40.8681, 32.3345,
4.0872


 40.8681, 32.3345,
4.0872


340.8411,
312.6402, 149.1897

 28.4033, 21.6171,
1.6733

 75.7596, 63.3351,
14.2104

 18.7719, 13.5758,
0.3423


 98.9170, 84.3871,
22.7567


 11.6086, 7.8263,
0.0000


 126.3692,
109.6528, 34.1843

 6.5480, 3.9840,
0.0000

 158.4817,
139.5166, 48.9117

 3.2249, 1.6646,
0.0000

 195.6197,
174.3628, 67.3574


 1.2738, 0.4006,
0.0000

 238.1488,


 0.1635, 0.0000,


214.5759, 89.9399


0.0000


 286.4341,
260.5402, 117.0778


 0.0000, 0.0000,
0.0000


 40.8681, 32.3345,
4.0872


 40.8681, 32.3345,
4.0872


 40.8682, 32.3351,
4.0873

 42.4531, 35.2541,
5.3889

 44.3706, 38.5380,
7.7273

 46.6850, 42.2196,
11.4185

 49.4348, 46.3206,
16.6469

 52.6530, 50.8600,
23.5676

■ 56.3685, 55.8549,
32.3164

■ 60.6078, 61.3216,
43.0152

■ 65.3952, 67.2749,
55.7753

■ 70.7532, 73.7291,
70.6996

Harmonies

Analogous

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



51.6264, 32.3345, 11.1203



40.8681, 32.3345, 4.0872



29.2703, 32.3345, 2.8358

Triad

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



40.8681, 32.3345, 4.0872



14.1813, 32.3345, 39.6380



44.0614, 32.3345, 112.2613

Complementary

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



40.8681, 32.3345, 4.0872



19.6173, 15.9297, 78.3842

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.



32.2436, 32.3345, 135.7612



40.8681, 32.3345, 4.0872



16.4087, 32.3345, 80.7858

Square

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



40.8681, 32.3345, 4.0872



15.4497, 32.3345, 14.9028



22.4294, 32.3345, 121.7391



53.7556, 32.3345, 68.6246

Rectangle

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



40.8681, 32.3345, 4.0872



22.9406, 32.3345, 3.8915



22.4294, 32.3345, 121.7391



40.1160, 32.3345, 123.6603

Sweetspot

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



40.8688, 32.3362, 4.0878



75.0188, 75.8796, 53.0755



35.9998, 18.2444, 15.8873



15.5641, 15.6122, 10.0962



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.



40.8688, 32.3362, 4.0878



50.5588, 39.8977, 5.0363



59.6796, 73.6027, 11.0616



15.0276, 15.6692, 15.1369



22.8162, 18.2065, 2.3117



1.7786, 1.5305, 0.2017

Inverse Universe

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



19.6173, 15.9297, 78.3842



24.2272, 19.5743, 97.1091



14.6624, 5.8763, 76.7049



14.1173, 14.9561, 18.2871



11.0126, 9.0873, 43.5568



0.9056, 0.8550, 3.2493

Previews

White Background



This preview shows how the XYZ color 40.8681, 32.3345, 4.0872 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 40.8681, 32.3345, 4.0872 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 40.8681, 32.3345, 4.0872

Background



This preview shows how black text looks on a background with the XYZ color 40.8681, 32.3345, 4.0872.



This preview shows how white text looks on a background with the XYZ color 40.8681, 32.3345,

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

40.8681, 32.3345, 4.0872

Protanopia

29.2944, 32.4884, 5.3430

Deuteranopia

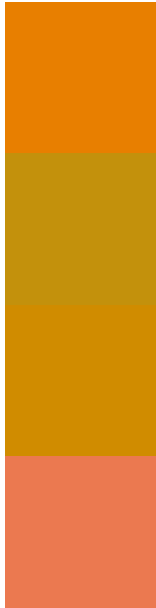
32.9394, 32.4695, 4.5312



Tritanopia

44.8364, 32.2961, 23.6093

Trichromacy



Original Color

40.8681, 32.3345, 4.0872

Protanomaly

32.6974, 31.8794, 4.7778

Deuteranomaly

35.3905, 32.1661, 4.3434

Tritanomaly

42.5463, 31.9161, 11.5074

Monochromacy



Original Color

40.8681, 32.3345, 4.0872

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.9247, 28.1798, 14.0400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8681, 32.3345, 4.0872 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(232, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 127, 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(232, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 127, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.8681, 32.3345, 4.0872 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(232, 127, 0) }
```


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

```
.border{ border-color:rgb(232, 127, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 127,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8681, 32.3345, 4.0872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 127, 0) }
```

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

```
.background{ background-color: rgb(232,  
127, 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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