

Converting Colors

XYZ(41.4585, 33.5909, 2.3198)

Have a look what the booklet for
XYZ(41.4585, 33.5909, 2.3198)
contains.

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Color

**XYZ(41.8555, 33.8262,
4.3231)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | E98400 |
| RGB | 233, 132, 0 |
| RGB Percent | 91%, 52%, 0% |
| CMY | 0.0863, 0.4823, 1.0000 |
| CMYK | 0.00, 0.43, 1.00, 0.09 |
| HSL | 34°, 100%, 46% |
| HSV | 34°, 100%, 91% |
| XYZ | 41.8555, 33.8262, 4.3231 |
| YIQ | 147.1510, 102.5680, -19.6400 |

Conversions

Conversions Part 2

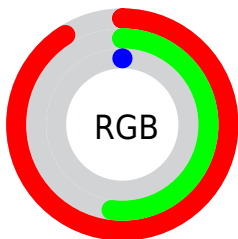
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 178, 233, 0 |
| Decimal | 15303680 |
| CIELab | 64.82, 32.02, 71.12 |
| CIElCh | 65, 77.998, 65.762 |
| Yxy | 33.8262, 0.5232, 0.4228 |
| Android (android.graphics.Color) | 4293493760 (0xFFE98400) |
| YUV | 147.1510, -72.5454, 75.2896 |
| Hunter-Lab | 58.1603, 26.6784, 36.3051 |

Details

The XYZ color **41.8555, 33.8262, 4.3231** 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 **19.3619, 15.1910, 79.0017**, and the grayscale version is **28.0585, 29.5197, 32.1469**.

A 20% lighter version of the original color is **59.9686, 56.8457, 13.9425**, and **19.5200, 14.4309, 1.7566** is the 20% darker color. If you saturate the color by 10%, you get **41.8556, 33.8267, 4.3232**, and if you desaturate by 10%, it is **43.4506, 36.7644, 5.6332**.

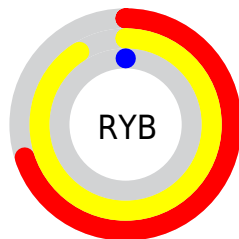
Distribution



Red (91%)

Green (52%)

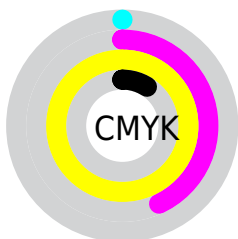
Blue (0%)



Red (70%)

Yellow (91%)

Blue (0%)

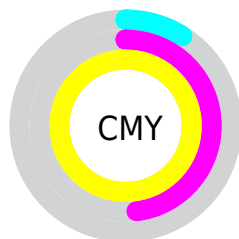


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8555, 33.8262, 4.3231 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 41.8555, 33.8262, 4.3231 by changing the saturation by 10% instead.


 41.8555, 33.8262,
4.3231


 41.8555, 33.8262,
4.3231


344.8854,
319.3564, 151.7516

 29.1788, 22.7601,
1.8042


 77.2474, 65.6633,
14.7483


 19.3611, 14.4165,
0.4307


 100.6933, 87.2031,
23.4917

 12.0370, 8.4109,
0.0000


 128.4597,
113.0030, 35.1471

 6.8413, 4.3590,
0.0000

 160.9118,
143.4472, 50.1329

 3.4085, 1.8763,
0.0000

 198.4151,
178.9203, 68.8677


 1.3733, 0.5341,
0.0000

 241.3349,


 0.2371, 0.0000,


219.8066, 91.7701


0.0000


 290.0365,
266.4905, 119.2586


 0.0000, 0.0000,
0.0000


 41.8555, 33.8262,
4.3231


 41.8555, 33.8262,
4.3231


 41.8556, 33.8267,
4.3232

 43.4506, 36.7644,
5.6332

 45.3710, 40.0492,
7.9873

 47.6809, 43.7132,
11.7040

 50.4189, 47.7773,
16.9694

 53.6177, 52.2596,
23.9402

■ 57.3063, 57.1768,
32.7534

■ 61.5109, 62.5443,
43.5323

■ 66.2555, 68.3762,
56.3890

■ 71.5626, 74.6862,
71.4274

Harmonies

Analogous

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



53.0497, 33.8262, 11.2212



41.8555, 33.8262, 4.3231



30.0310, 33.8262, 3.2044

Triad

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



41.8555, 33.8262, 4.3231



15.0961, 33.8262, 43.3959



46.4944, 33.8262, 113.2579

Complementary

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



41.8555, 33.8262, 4.3231



19.3619, 15.1910, 79.0017

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.



34.3680, 33.8262, 138.9907



41.8555, 33.8262, 4.3231



17.6187, 33.8262, 86.0868

Square

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



41.8555, 33.8262, 4.3231



16.2063, 33.8262, 16.8293



24.0756, 33.8262, 126.9026



56.1351, 33.8262, 68.5001

Rectangle

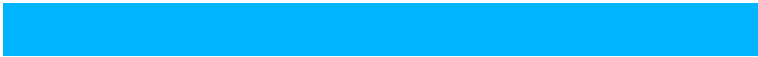
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.8555, 33.8262, 4.3231



23.6487, 33.8262, 4.4920



24.0756, 33.8262, 126.9026



42.4795, 33.8262, 125.3225

Sweetspot

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



41.8562, 33.8280, 4.3237



75.4050, 76.6522, 53.2042



36.1464, 18.3406, 14.9606



15.6558, 15.7954, 10.1267



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.



41.8562, 33.8280, 4.3237



51.2842, 41.3483, 5.2781



59.0640, 73.7043, 11.1137



15.7737, 16.4704, 15.8665



23.8755, 19.4453, 2.4949



1.9702, 1.7176, 0.2277

Inverse Universe

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



19.3619, 15.1910, 79.0017



23.6836, 18.4872, 96.9279



14.8549, 5.9591, 77.4573



14.7683, 15.6229, 19.1594



11.1041, 8.8552, 44.8669



0.9660, 0.8834, 3.5545

Previews

White Background



This preview shows how the XYZ color 41.8555, 33.8262, 4.3231 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 41.8555, 33.8262, 4.3231 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 41.8555, 33.8262, 4.3231

Background



This preview shows how black text looks on a background with the XYZ color 41.8555, 33.8262, 4.3231.



This preview shows how white text looks on a background with the XYZ color 41.8555, 33.8262,

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

41.8555, 33.8262, 4.3231

Protanopia

30.7045, 33.9657, 5.5538

Deuteranopia

34.4595, 33.9548, 4.7377



Tritanopia

46.4396, 33.9818, 25.5842

Trichromacy



Original Color

41.8555, 33.8262, 4.3231

Protanomaly

34.1025, 33.5272, 5.0218

Deuteranomaly

36.6864, 33.4938, 4.5314

Tritanomaly

43.6143, 33.3791, 12.3277

Monochromacy



Original Color

41.8555, 33.8262, 4.3231

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.0535, 29.6191, 14.7227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8555, 33.8262, 4.3231 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(233, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 132, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.8555, 33.8262, 4.3231 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(233, 132, 0) }
```


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

```
.border{ border-color:rgb(233, 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(233, 132, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 132,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8555, 33.8262, 4.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 132, 0) }
```

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

```
.background{ background-color: rgb(233,  
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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