

Converting Colors

XYZ(42.0162, 33.3685, 4.2263)

Have a look what the booklet for
XYZ(42.0162, 33.3685, 4.2263)
contains.

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Color

**XYZ(42.1112, 33.3627,
4.2201)**

Conversions

Conversions Part 1

Format	Color
Hex	EB8100
RGB	235, 129, 0
RGB Percent	92%, 51%, 0%
CMY	0.0784, 0.4941, 1.0000
CMYK	0.00, 0.45, 1.00, 0.08
HSL	33°, 100%, 46%
HSV	33°, 100%, 92%
XYZ	42.1112, 33.3627, 4.2201
YIQ	145.9880, 104.5850, -17.6470

Conversions

Conversions Part 2

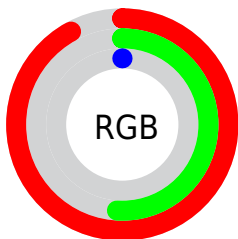
Format	Color
RYB	193, 235, 0
Decimal	15433984
CIELab	64.45, 34.39, 71.03
CIElCh	64, 78.917, 64.164
Yxy	33.3627, 0.5284, 0.4186
Android (android.graphics.Color)	4293624064 (0xFFEB8100)
YUV	145.9880, -71.9721, 78.0635
Hunter-Lab	57.7605, 29.0575, 36.1005

Details

The XYZ color **42.1112, 33.3627, 4.2201** 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 **20.1494, 16.3062, 80.6820**, and the grayscale version is **27.5739, 29.0099, 31.5918**.

A 20% lighter version of the original color is **59.3432, 55.5949, 13.7340**, and **19.7376, 14.2194, 1.7043** is the 20% darker color. If you saturate the color by 10%, you get **42.1114, 33.3635, 4.2203**, and if you desaturate by 10%, it is **43.7412, 36.3674, 5.5518**.

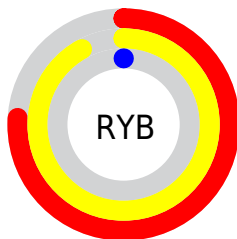
Distribution



Red (92%)

Green (51%)

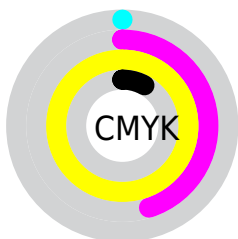
Blue (0%)



Red (76%)

Yellow (92%)

Blue (0%)

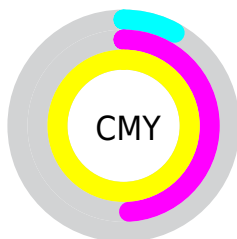


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1112, 33.3627, 4.2201 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 42.1112, 33.3627, 4.2201 by changing the saturation by 10% instead.


 42.1112, 33.3627,
4.2201


 42.1112, 33.3627,
4.2201


345.9275,
317.2809, 150.6412

 29.3799, 22.4044,
1.7469


 77.6320, 64.9414,
14.5143


 19.5141, 14.1544,
0.3925

 101.1522, 86.3306,
23.1723

 12.1485, 8.2281,
0.0000


 128.9993,
111.9656, 34.7290

 6.9178, 4.2413,
0.0000

 161.5389,
142.2307, 49.6028

 3.4566, 1.8094,
0.0000

 199.1361,
177.5104, 68.2125


 1.3996, 0.4930,
0.0000

 242.1563,


 0.2559, 0.0000,


218.1891, 90.9764


0.0000


 290.9650,
264.6511, 118.3131


 0.0000, 0.0000,
0.0000


 42.1112, 33.3627,
4.2201


 42.1112, 33.3627,
4.2201


 42.1114, 33.3635,
4.2203

 43.7412, 36.3674,
5.5518

 45.7132, 39.7460,
7.9526

 48.0932, 43.5326,
11.7466

 50.9210, 47.7496,
17.1243

 54.2305, 52.4163,
24.2457

■ 58.0516, 57.5507,
33.2510

■ 62.4116, 63.1691,
44.2662

■ 67.3355, 69.2870,
57.4059

■ 72.8464, 75.9190,
72.7765

Harmonies

Analogous

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



53.2079, 33.3627, 11.4479



42.1112, 33.3627, 4.2201



30.1640, 33.3627, 2.9404

Triad

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



42.1112, 33.3627, 4.2201



14.6484, 33.3627, 41.0172



45.4874, 33.3627, 115.5669

Complementary

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



42.1112, 33.3627, 4.2201



20.1494, 16.3062, 80.6820

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.



33.3085, 33.3627, 139.8877



42.1112, 33.3627, 4.2201



16.9586, 33.3627, 83.4526

Square

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



42.1112, 33.3627, 4.2201



15.9437, 33.3627, 15.4523



23.1806, 33.3627, 125.5821



55.4587, 33.3627, 70.5983

Rectangle

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



42.1112, 33.3627, 4.2201



23.6481, 33.3627, 4.0407



23.1806, 33.3627, 125.5821



41.4235, 33.3627, 127.3376

Sweetspot

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



42.1119, 33.3645, 4.2207



75.0495, 75.9411, 53.0857



37.0573, 18.7808, 16.3299



15.5714, 15.6267, 10.0986



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.



42.1119, 33.3645, 4.2207



50.6156, 40.0113, 5.0552



61.4391, 75.7741, 11.3879



15.7509, 16.4248, 15.8589



23.5665, 18.8272, 2.3919



1.9464, 1.6702, 0.2198

Inverse Universe

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



20.1494, 16.3062, 80.6820



24.1826, 19.4853, 97.0942



15.0935, 6.0489, 78.9686



14.7907, 15.6678, 19.1669



11.3375, 9.3220, 44.9447



0.9851, 0.9217, 3.5609

Previews

White Background



This preview shows how the XYZ color 42.1112, 33.3627, 4.2201 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 42.1112, 33.3627, 4.2201 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 42.1112, 33.3627, 4.2201

Background



This preview shows how black text looks on a background with the XYZ color 42.1112, 33.3627, 4.2201.



This preview shows how white text looks on a background with the XYZ color 42.1112, 33.3627,

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

42.1112, 33.3627, 4.2201

Protanopia

30.3060, 33.5081, 5.4865

Deuteranopia

34.0361, 33.5007, 4.6724



Tritanopia

46.2094, 33.3422, 24.4223

Trichromacy



Original Color

42.1112, 33.3627, 4.2201

Protanomaly

33.7888, 32.8997, 4.9173

Deuteranomaly

36.5370, 33.1949, 4.4815

Tritanomaly

43.8281, 32.9371, 11.8321

Monochromacy



Original Color

42.1112, 33.3627, 4.2201

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.7140, 29.0115, 14.3896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1112, 33.3627, 4.2201 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(235, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 129, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.1112, 33.3627, 4.2201 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(235, 129, 0) }
```


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

```
.border{ border-color:rgb(235, 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(235, 129, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 129,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1112, 33.3627, 4.2201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 129, 0) }
```

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

```
.background{ background-color: rgb(235,  
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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