

Converting Colors

XYZ(41.2738, 33.1219, 4.2178)

Have a look what the booklet for
XYZ(41.2738, 33.1219, 4.2178)
contains.

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Color

**XYZ(41.2613, 33.1211,
4.2183)**

Conversions

Conversions Part 1

Format	Color
Hex	E88200
RGB	232, 130, 0
RGB Percent	91%, 51%, 0%
CMY	0.0902, 0.4902, 1.0000
CMYK	0.00, 0.44, 1.00, 0.09
HSL	34°, 100%, 45%
HSV	34°, 100%, 91%
XYZ	41.2613, 33.1211, 4.2183
YIQ	145.6780, 102.5220, -18.8060

Conversions

Conversions Part 2

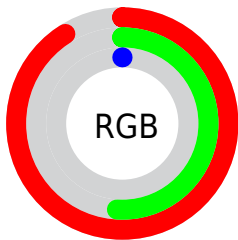
Format	Color
RYB	182, 232, 0
Decimal	15237632
CIELab	64.26, 32.65, 70.70
CIElCh	64, 77.877, 65.214
Yxy	33.1211, 0.5249, 0.4214
Android (android.graphics.Color)	4293427712 (0xFFE88200)
YUV	145.6780, -71.8193, 75.7044
Hunter-Lab	57.5509, 27.2619, 35.9399

Details

The XYZ color **41.2613, 33.1211, 4.2183** 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 **19.3169, 15.3292, 78.2838**, and the grayscale version is **27.4464, 28.8758, 31.4457**.

A 20% lighter version of the original color is **59.5502, 56.0089, 13.8030**, and **19.1582, 14.0270, 1.6977** is the 20% darker color. If you saturate the color by 10%, you get **41.2614, 33.1217, 4.2184**, and if you desaturate by 10%, it is **42.8435, 36.0350, 5.5190**.

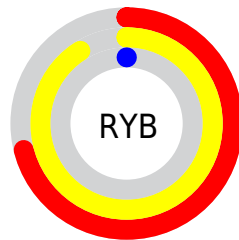
Distribution



Red (91%)

Green (51%)

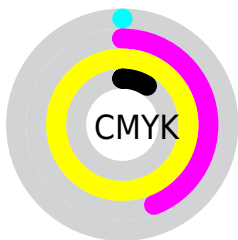
Blue (0%)



Red (71%)

Yellow (91%)

Blue (0%)

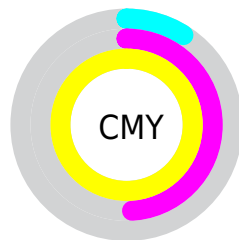


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2613, 33.1211, 4.2183 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 41.2613, 33.1211, 4.2183 by changing the saturation by 10% instead.


 41.2613, 33.1211,
4.2183


 41.2613, 33.1211,
4.2183

342.4555,
316.1951, 150.6217


 28.7119, 22.2192,
1.7459


 76.3526, 64.5645,
14.5102

 19.0062, 14.0181,
0.3919


 99.6252, 85.8749,
23.1667

 11.7788, 8.1332,
0.0000


 127.2029,
111.4236, 34.7216

 6.6643, 4.1803,
0.0000

 159.4511,
141.5949, 49.5935

 3.2975, 1.7749,
0.0000

 196.7351,
176.7734, 68.2010


 1.3130, 0.4715,
0.0000

 239.4202,


 0.1929, 0.0000,


217.3433, 90.9624


0.0000


 287.8719,
263.6890, 118.2965


 0.0000, 0.0000,
0.0000


 41.2613, 33.1211,
4.2183


 41.2613, 33.1211,
4.2183


 41.2614, 33.1217,
4.2184

 42.8435, 36.0350,
5.5190

 44.7509, 39.2988,
7.8541

 47.0477, 42.9452,
11.5395

 49.7719, 46.9950,
16.7594

 52.9562, 51.4667,
23.6687

■ 56.6294, 56.3768,
32.4034

■ 60.8174, 61.7409,
43.0851

■ 65.5443, 67.5734,
55.8250

■ 70.8324, 73.8879,
70.7260

Harmonies

Analogous

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



52.2410, 33.1211, 11.1147



41.2613, 33.1211, 4.2183



29.5879, 33.1211, 3.0624

Triad

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



41.2613, 33.1211, 4.2183



14.7000, 33.1211, 41.8841



45.4002, 33.1211, 112.1882

Complementary

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



41.2613, 33.1211, 4.2183



19.3169, 15.3292, 78.2838

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.



33.4524, 33.1211, 137.0327



41.2613, 33.1211, 4.2183



17.1096, 33.1211, 83.7996

Square

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



41.2613, 33.1211, 4.2183



15.8549, 33.1211, 16.0860



23.3823, 33.1211, 124.3973



54.9961, 33.1211, 68.0859

Rectangle

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



41.2613, 33.1211, 4.2183



23.2645, 33.1211, 4.2644



23.3823, 33.1211, 124.3973



41.4338, 33.1211, 123.9593

Sweetspot

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



41.2620, 33.1229, 4.2189



75.2798, 76.4017, 53.1625



35.7978, 18.1636, 14.8239



15.6260, 15.7360, 10.1168



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.



41.2620, 33.1229, 4.2189



51.0463, 40.8725, 5.1988



58.4926, 72.9907, 11.0060



15.0436, 15.7011, 15.1422



23.0346, 18.6433, 2.3845



1.7943, 1.5620, 0.2069

Inverse Universe

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



19.3169, 15.3292, 78.2838



23.8561, 18.8322, 96.9854



14.7116, 5.9017, 76.7069



14.1016, 14.9246, 18.2818



10.8445, 8.7511, 43.5007



0.8926, 0.8291, 3.2450

Previews

White Background



This preview shows how the XYZ color 41.2613, 33.1211, 4.2183 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 41.2613, 33.1211, 4.2183 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 41.2613, 33.1211, 4.2183

Background



This preview shows how black text looks on a background with the XYZ color 41.2613, 33.1211, 4.2183.



This preview shows how white text looks on a background with the XYZ color 41.2613, 33.1211,

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

41.2613, 33.1211, 4.2183

Protanopia

30.0790, 33.3911, 5.4759

Deuteranopia

33.6159, 33.0501, 4.6076



Tritanopia

45.3919, 33.0926, 24.7640

Trichromacy



Original Color

41.2613, 33.1211, 4.2183

Protanomaly

33.2650, 32.6297, 4.8927

Deuteranomaly

36.1032, 32.7514, 4.4188

Tritanomaly

42.9916, 32.6867, 12.0259

Monochromacy



Original Color

41.2613, 33.1211, 4.2183

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.4853, 28.8936, 14.3789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2613, 33.1211, 4.2183 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, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 130, 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, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 130, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.2613, 33.1211, 4.2183 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, 130, 0) }
```


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

```
.border{ border-color:rgb(232, 130, 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, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 130,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2613, 33.1211, 4.2183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 130, 0) }
```

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

```
.background{ background-color: rgb(232,  
130, 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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