

Converting Colors

XYZ(41.6113, 33.7969, 4.3303)

Have a look what the booklet for
XYZ(41.6113, 33.7969, 4.3303)
contains.

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Color

**XYZ(41.5300, 33.6583,
4.3078)**

Conversions

Conversions Part 1

Format	Color
Hex	E88400
RGB	232, 132, 0
RGB Percent	91%, 52%, 0%
CMY	0.0902, 0.4823, 1.0000
CMYK	0.00, 0.43, 1.00, 0.09
HSL	34°, 100%, 45%
HSV	34°, 100%, 91%
XYZ	41.5300, 33.6583, 4.3078
YIQ	146.8520, 101.9720, -19.8520

Conversions

Conversions Part 2

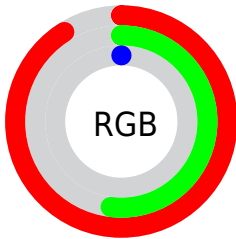
Format	Color
R_{YB}	176, 232, 0
Decimal	15238144
CIE _{Lab}	64.69, 31.61, 70.97
CIE _{LCh}	65, 77.693, 65.993
Yxy	33.6583, 0.5224, 0.4234
Android (android.graphics.Color)	4293428224 (0xFFE88400)
YUV	146.8520, -72.3980, 74.6748
Hunter-Lab	58.0158, 26.2498, 36.2086

Details

The XYZ color **41.5300, 33.6583, 4.3078** 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 **19.1228, 14.9408, 78.2194**, and the grayscale version is **27.9336, 29.3883, 32.0039**.

A 20% lighter version of the original color is **59.9686, 56.8457, 13.9425**, and **19.3046, 14.3199, 1.7465** is the 20% darker color. If you saturate the color by 10%, you get **41.5302, 33.6590, 4.3080**, and if you desaturate by 10%, it is **43.1092, 36.5663, 5.6075**.

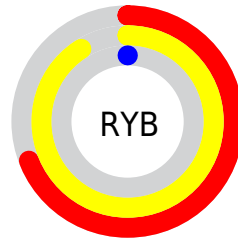
Distribution



Red (91%)

Green (52%)

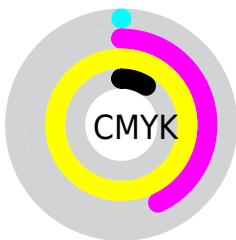
Blue (0%)



Red (69%)

Yellow (91%)

Blue (0%)

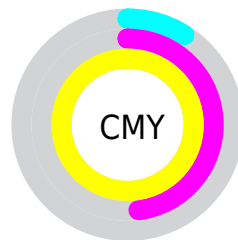


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5300, 33.6583, 4.3078 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 41.5300, 33.6583, 4.3078 by changing the saturation by 10% instead.


 41.5300, 33.6583,
4.3078


 41.5300, 33.6583,
4.3078

343.5558,
318.6057, 151.5875


 28.9229, 22.6312,
1.7957


 76.7574, 65.4019,
14.7136


 19.1665, 14.3214,
0.4251


 100.1085, 86.8873,
23.4444

 11.8954, 8.3446,
0.0000


 127.7717,
112.6275, 35.0852

 6.7442, 4.3162,
0.0000

 160.1123,
143.0070, 50.0545

 3.3475, 1.8520,
0.0000

 197.4956,
178.4102, 68.7708


 1.3401, 0.5193,
0.0000

 240.2870,


 0.2129, 0.0000,


219.2215, 91.6527


0.0000


 288.8520,
265.8252, 119.1188


 0.0000, 0.0000,
0.0000


 41.5300, 33.6583,
4.3078


 41.5300, 33.6583,
4.3078


 41.5302, 33.6590,
4.3080

 43.1092, 36.5663,
5.6075

 45.0090, 39.8146,
7.9400

 47.2930, 43.4357,
11.6211

 49.9994, 47.4497,
16.8350

 53.1604, 51.8748,
23.7366

■ 56.8046, 56.7272,
32.4616

■ 60.9580, 62.0220,
43.1317

■ 65.6443, 67.7732,
55.8581

■ 70.8856, 73.9941,
70.7435

Harmonies

Analogous

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



52.6607, 33.6583, 11.1116



41.5300, 33.6583, 4.3078



29.8045, 33.6583, 3.2208

Triad

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



41.5300, 33.6583, 4.3078



15.0557, 33.6583, 43.4402



46.3169, 33.6583, 112.1510

Complementary

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



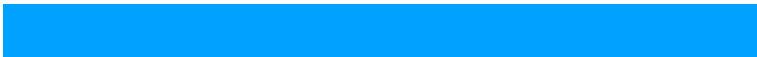
41.5300, 33.6583, 4.3078



19.1228, 14.9408, 78.2194

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.



34.2823, 33.6583, 137.9042



41.5300, 33.6583, 4.3078



17.5916, 33.6583, 85.8698

Square

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



41.5300, 33.6583, 4.3078



16.1315, 33.6583, 16.9142



24.0377, 33.6583, 126.2141



55.8435, 33.6583, 67.7328

Rectangle

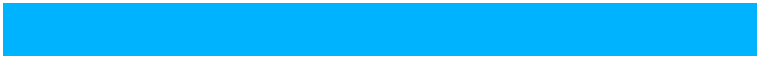
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.5300, 33.6583, 4.3078



23.4852, 33.6583, 4.5273



24.0377, 33.6583, 126.2141



42.3370, 33.6583, 124.1732

Sweetspot

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



41.5307, 33.6601, 4.3084



75.4546, 76.7514, 53.2208



35.6050, 18.0864, 13.8080



15.6675, 15.8190, 10.1307



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.



41.5307, 33.6601, 4.3084



51.3791, 41.5383, 5.3097



57.3332, 72.3932, 10.9518



15.0542, 15.7223, 15.1457



23.1836, 18.9413, 2.4341



1.8050, 1.5834, 0.2105

Inverse Universe

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



19.1228, 14.9408, 78.2194



23.6162, 18.3525, 96.9054



14.7703, 5.9319, 76.7099



14.0912, 14.9037, 18.2784



10.7357, 8.5334, 43.4645



0.8841, 0.8121, 3.2421

Previews

White Background



This preview shows how the XYZ color 41.5300, 33.6583, 4.3078 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 41.5300, 33.6583, 4.3078 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 41.5300, 33.6583, 4.3078

Background



This preview shows how black text looks on a background with the XYZ color 41.5300, 33.6583, 4.3078.



This preview shows how white text looks on a background with the XYZ color 41.5300, 33.6583,

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

41.5300, 33.6583, 4.3078

Protanopia

30.6961, 33.9624, 5.5098

Deuteranopia

34.3006, 33.6370, 4.6848



Tritanopia

46.1729, 33.8364, 25.9273

Trichromacy



Original Color

41.5300, 33.6583, 4.3078

Protanomaly

34.0966, 33.5248, 4.9905

Deuteranomaly

36.6864, 33.4938, 4.5314

Tritanomaly

43.3220, 33.2240, 12.5171

Monochromacy



Original Color

41.5300, 33.6583, 4.3078

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 41.5300, 33.6583, 4.3078 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, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 132, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.5300, 33.6583, 4.3078 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, 132, 0) }
```


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

```
.border{ border-color:rgb(232, 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(232, 132, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 132,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5300, 33.6583, 4.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 132, 0) }
```

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

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