

Converting Colors

XYZ(41.3842, 28.8333, 3.3842)

Have a look what the booklet for
XYZ(41.3842, 28.8333, 3.3842)
contains.

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Color

**XYZ(41.3272, 28.8039,
3.3815)**

Conversions

Conversions Part 1

Format	Color
Hex	F16900
RGB	241, 105, 0
RGB Percent	95%, 41%, 0%
CMY	0.0549, 0.5882, 1.0000
CMYK	0.00, 0.56, 1.00, 0.05
HSL	26°, 100%, 47%
HSV	26°, 100%, 95%
XYZ	41.3272, 28.8039, 3.3815
YIQ	133.6940, 114.7610, -3.8230

Conversions

Conversions Part 2

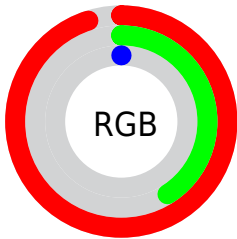
Format	Color
R_{YB}	241, 186, 0
Decimal	15821056
CIE _{Lab}	60.61, 48.59, 69.22
CIE _{LCh}	61, 84.567, 54.934
Yxy	28.8039, 0.5622, 0.3918
Android (android.graphics.Color)	4294011136 (0xFFFF16900)
YUV	133.6940, -65.9111, 94.1074
Hunter-Lab	53.6693, 43.5300, 33.8328

Details

The XYZ color **41.3272, 28.8039, 3.3815** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **24.6808, 23.9582, 86.5420**, and the grayscale version is **22.7536, 23.9386, 26.0691**.

A 20% lighter version of the original color is **54.6815, 46.4736, 11.5571**, and **19.3153, 11.7148, 1.2431** is the 20% darker color. If you saturate the color by 10%, you get **41.3275, 28.8049, 3.3817**, and if you desaturate by 10%, it is **42.9916, 31.8675, 4.7551**.

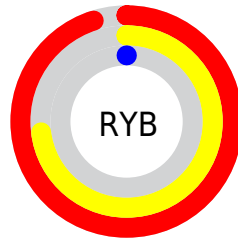
Distribution



Red (95%)

Green (41%)

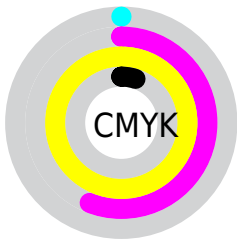
Blue (0%)



Red (95%)

Yellow (73%)

Blue (0%)

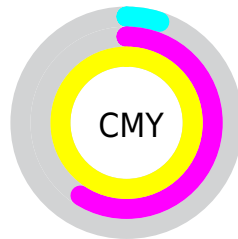


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3272, 28.8039, 3.3815 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 41.3272, 28.8039, 3.3815 by changing the saturation by 10% instead.


 41.3272, 28.8039,
3.3815


 41.3272, 28.8039,
3.3815

342.7256,
296.2886, 141.0804


 28.7636, 18.9325,
1.2926


 76.4519, 57.7654,
12.5561

 19.0455, 11.6215,
0.0557


 99.7438, 77.6243,
20.4789


 11.8073, 6.4865,
0.0000


 127.3425,
101.5811, 31.1834

 6.6839, 3.1431,
0.0000

 159.6133,
130.0203, 45.0882

 3.3098, 1.2069,
0.0000

 196.9217,
163.3263, 62.6117


 1.3196, 0.0673,
0.0000

 239.6330,


 0.1978, 0.0000,


201.8834, 84.1726


0.0000


 288.1125,
246.0760, 110.1893


 0.0000, 0.0000,
0.0000


 41.3272, 28.8039,
3.3815


 41.3272, 28.8039,
3.3815


 41.3275, 28.8049,
3.3817

 42.9916, 31.8675,
4.7551

 45.0925, 35.4745,
7.2892

 47.7042, 39.6707,
11.3262

 50.8735, 44.4888,
17.0703

 54.6409, 49.9582,
24.6935

■ 59.0424, 56.1060,
34.3464

■ 64.1107, 62.9574,
46.1642

■ 69.8762, 70.5360,
60.2701

■ 76.3668, 78.8643,
76.7783

Harmonies

Analogous

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



51.2235, 28.8039, 12.2049



41.3272, 28.8039, 3.3815



29.2770, 28.8039, 1.4908

Triad

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



41.3272, 28.8039, 3.3815



11.3156, 28.8039, 26.3380



37.2365, 28.8039, 123.8409

Complementary

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



41.3272, 28.8039, 3.3815



24.6808, 23.9582, 86.5420

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.



25.5615, 28.8039, 137.7718



41.3272, 28.8039, 3.3815



12.3902, 28.8039, 64.2295

Square

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



41.3272, 28.8039, 3.3815



13.5176, 28.8039, 7.9229



16.9835, 28.8039, 111.0209



48.4545, 28.8039, 80.2639

Rectangle

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



41.3272, 28.8039, 3.3815



22.3065, 28.8039, 1.7396



16.9835, 28.8039, 111.0209



33.1634, 28.8039, 133.0017

Sweetspot

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



41.3278, 28.8055, 3.3820



72.8276, 71.4973, 52.3451



40.7599, 20.4945, 25.3126



15.0469, 14.5777, 9.9238



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.



41.3278, 28.8055, 3.3820



46.9360, 32.6519, 3.8287



63.1825, 72.5148, 10.6669



16.3394, 16.8919, 16.5490



22.5398, 15.8778, 1.8767



1.9723, 1.5153, 0.1885

Inverse Universe

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



24.6808, 23.9582, 86.5420



28.0073, 27.1346, 98.3691



16.0635, 6.7236, 83.6696



15.6374, 16.7089, 20.1226



13.5204, 13.2650, 46.9757



1.2236, 1.3011, 3.9409

Previews

White Background



This preview shows how the XYZ color 41.3272, 28.8039, 3.3815 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 41.3272, 28.8039, 3.3815 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.3272, 28.8039, 3.3815

Background



This preview shows how black text looks on a background with the XYZ color 41.3272, 28.8039, 3.3815.



This preview shows how white text looks on a background with the XYZ color 41.3272, 28.8039,

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

41.3272, 28.8039, 3.3815

Protanopia

26.1054, 28.9286, 5.0185

Deuteranopia

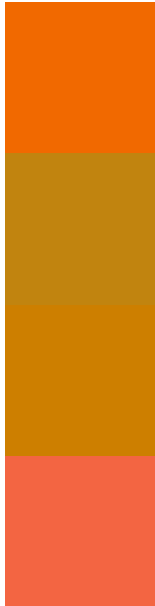
29.2402, 28.7795, 4.0139



Tritanopia

44.1746, 28.9679, 16.3598

Trichromacy



Original Color

41.3272, 28.8039, 3.3815

Protanomaly

30.3298, 27.8745, 4.2337

Deuteranomaly

32.7662, 28.1579, 3.7080

Tritanomaly

42.5992, 28.7554, 8.4594

Monochromacy



Original Color

41.3272, 28.8039, 3.3815

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.9562, 23.7060, 11.8020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3272, 28.8039, 3.3815 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(241, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(241, 105, 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(241, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 105, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.3272, 28.8039, 3.3815 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(241, 105, 0) }
```


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

```
.border{ border-color:rgb(241, 105, 0) }
```

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

Here you see how a box with a 4 pixel rgb(241, 105, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(241, 105,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3272, 28.8039, 3.3815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 105, 0) }
```

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

```
.background{ background-color: rgb(241,  
105, 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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