

Converting Colors

XYZ(41.6388, 29.4276, 3.4857)

Have a look what the booklet for
XYZ(41.6388, 29.4276, 3.4857)
contains.

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Color

**XYZ(41.6382, 29.4259,
3.4852)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | F16C00 |
| RGB | 241, 108, 0 |
| RGB Percent | 95%, 42%, 0% |
| CMY | 0.0549, 0.5764, 1.0000 |
| CMYK | 0.00, 0.55, 1.00, 0.05 |
| HSL | 27°, 100%, 47% |
| HSV | 27°, 100%, 95% |
| XYZ | 41.6382, 29.4259, 3.4852 |
| YIQ | 135.4550, 113.9360, -5.3920 |

Conversions

Conversions Part 2

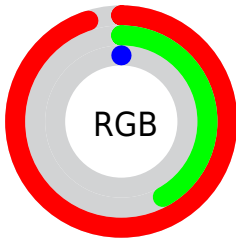
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 241, 196, 0 |
| Decimal | 15821824 |
| CIE _{Lab} | 61.16, 47.17, 69.53 |
| CIE _{LCh} | 61, 84.019, 55.843 |
| Yxy | 29.4259, 0.5585, 0.3947 |
| Android (android.graphics.Color) | 4294011904 (0xFFFF16C00) |
| YUV | 135.4550, -66.7793, 92.5630 |
| Hunter-Lab | 54.2456, 42.0842, 34.1627 |

Details

The XYZ color **41.6382, 29.4259, 3.4852** 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 **24.2644, 23.1254, 86.4032**, and the grayscale version is **23.4110, 24.6302, 26.8223**.

A 20% lighter version of the original color is **55.2037, 47.5180, 11.7312**, and **19.4977, 12.0795, 1.3039** is the 20% darker color. If you saturate the color by 10%, you get **41.6384, 29.4267, 3.4853**, and if you desaturate by 10%, it is **43.3162, 32.5167, 4.8634**.

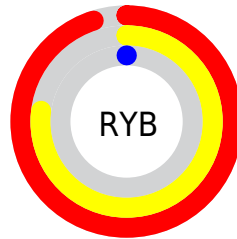
Distribution



Red (95%)

Green (42%)

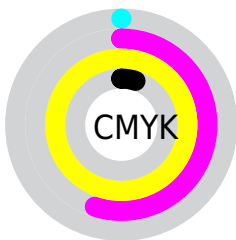
Blue (0%)



Red (95%)

Yellow (77%)

Blue (0%)

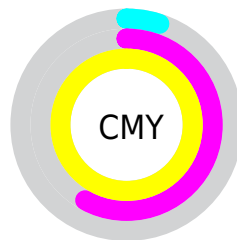


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6382, 29.4259, 3.4852 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 41.6382, 29.4259, 3.4852 by changing the saturation by 10% instead.


 41.6382, 29.4259,
3.4852


 41.6382, 29.4259,
3.4852


343.9981,
299.2192, 142.3189


 29.0080, 19.4032,
1.3474


 76.9204, 58.7531,
12.8039

 19.2312, 11.9620,
0.1002

 100.3030, 78.8264,
20.8219


 11.9424, 6.7178,
0.0000


 128.0005,
103.0187, 31.6371

 6.7764, 3.2863,
0.0000

 160.3782,
131.7144, 45.6679

 3.3677, 1.2829,
0.0000

 197.8015,
165.2979, 63.3330


 1.3511, 0.1279,
0.0000

 240.6356,


 0.2210, 0.0000,


204.1536, 85.0508


0.0000


 289.2461,
248.6659, 111.2399


 0.0000, 0.0000,
0.0000


 41.6382, 29.4259,
3.4852


 41.6382, 29.4259,
3.4852

 41.6384, 29.4267,
3.4853

 43.3162, 32.5167,
4.8634

 45.4224, 36.1343,
7.3994

 48.0304, 40.3231,
11.4352

 51.1864, 45.1146,
17.1750

 54.9303, 50.5370,
24.7905

■ 59.2975, 56.6161,
34.4320

■ 64.3203, 63.3763,
46.2347

■ 70.0284, 70.8403,
60.3217

■ 76.4495, 79.0294,
76.8068

Harmonies

Analogous

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



51.7125, 29.4259, 12.1940



41.6382, 29.4259, 3.4852



29.5335, 29.4259, 1.6239

Triad

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



41.6382, 29.4259, 3.4852



11.7064, 29.4259, 27.8371



38.2634, 29.4259, 123.6185

Complementary

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



41.6382, 29.4259, 3.4852



24.2644, 23.1254, 86.4032

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.



26.4597, 29.4259, 138.7380



41.6382, 29.4259, 3.4852



12.8997, 29.4259, 66.4566

Square

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



41.6382, 29.4259, 3.4852



13.8390, 29.4259, 8.6127



17.6751, 29.4259, 113.1049



49.4319, 29.4259, 79.6416

Rectangle

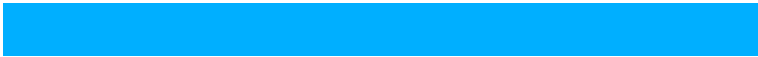
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.6382, 29.4259, 3.4852



22.5715, 29.4259, 1.9359



17.6751, 29.4259, 113.1049



34.1636, 29.4259, 133.1139

Sweetspot

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



41.6388, 29.4276, 3.4857



73.0661, 71.9742, 52.4246



40.7599, 20.4946, 25.3128



15.1030, 14.6899, 9.9425



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.



41.6388, 29.4276, 3.4857



47.2888, 33.3577, 3.9463



63.1825, 72.5149, 10.6669



16.3560, 16.9252, 16.5546



22.7100, 16.2181, 1.9334



1.9871, 1.5450, 0.1935

Inverse Universe

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



24.2644, 23.1254, 86.4032



27.5338, 26.1876, 98.2113



16.0635, 6.7236, 83.6696



15.6205, 16.6751, 20.1169



13.2946, 12.8134, 46.9004



1.2052, 1.2643, 3.9347

Previews

White Background



This preview shows how the XYZ color 41.6382, 29.4259, 3.4852 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 41.6382, 29.4259, 3.4852 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 41.6382, 29.4259, 3.4852

Background



This preview shows how black text looks on a background with the XYZ color 41.6382, 29.4259, 3.4852.



This preview shows how white text looks on a background with the XYZ color 41.6382, 29.4259,

3.4852.

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

41.6382, 29.4259, 3.4852

Protanopia

26.8286, 29.7683, 5.0909

Deuteranopia

30.0184, 29.6145, 4.1340



Tritanopia

44.5192, 29.4090, 17.2400

Trichromacy



Original Color

41.6382, 29.4259, 3.4852

Protanomaly

30.8525, 28.5512, 4.3003

Deuteranomaly

33.5824, 28.9659, 3.8210

Tritanomaly

42.8558, 29.1725, 8.8410

Monochromacy



Original Color

41.6382, 29.4259, 3.4852

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

26.4689, 24.3378, 12.1067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6382, 29.4259, 3.4852 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, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(241, 108, 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, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.6382, 29.4259, 3.4852 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, 108, 0) }
```


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

```
.border{ border-color:rgb(241, 108, 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, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(241, 108,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6382, 29.4259, 3.4852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 108, 0) }
```

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

```
.background{ background-color: rgb(241,  
108, 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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