

# Converting Colors

XYZ(42.7160, 29.1968, 4.4828)

Have a look what the booklet for  
XYZ(42.7160, 29.1968, 4.4828)  
contains.

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# Color

**XYZ(42.7160, 29.1968,  
4.4828)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F5671C
RGB	245, 103, 28
RGB Percent	96%, 40%, 11%
CMY	0.0392, 0.5960, 0.8902
CMYK	0.00, 0.58, 0.89, 0.04
HSL	21°, 92%, 54%
HSV	21°, 89%, 96%
XYZ	42.7160, 29.1968, 4.4828
YIQ	136.9080, 108.7070, 6.7790

# Conversions

## Conversions Part 2

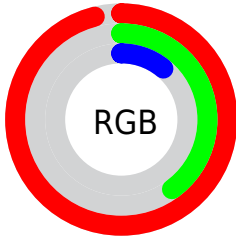
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">245, 143, 28</a>
Decimal	<a href="#">16082716</a>
CIELab	<a href="#">60.95, 51.29, 63.62</a>
CIELCh	<a href="#">61, 81.719, 51.126</a>
Yxy	<a href="#">29.1968, 0.5591, 0.3822</a>
Android (android.graphics.Color)	<a href="#">4294272796</a> ( <a href="#">0xFFFF5671C</a> )
YUV	<a href="#">136.9080, -53.6916, 94.7967</a>
Hunter-Lab	<a href="#">54.0341, 46.5515, 32.9050</a>

# Details

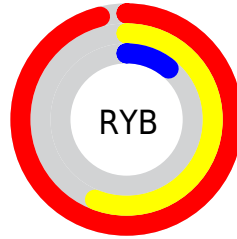
The XYZ color **42.7160, 29.1968, 4.4828** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **31.3337, 35.5864, 91.6028**, and the grayscale version is **23.9121, 25.1574, 27.3964**.

A 20% lighter version of the original color is **54.9899, 46.3229, 14.0256**, and **20.1130, 11.9377, 1.2441** is the 20% darker color. If you saturate the color by 10%, you get **41.0814, 26.2328, 2.9988**, and if you desaturate by 10%, it is **44.8887, 32.8681, 7.2869**.

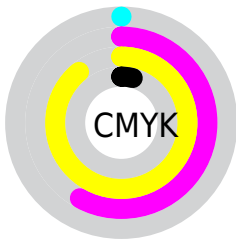
# Distribution



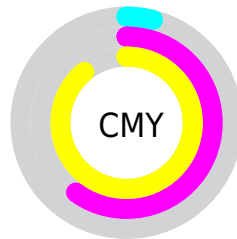
- Red (96%)
- Green (40%)
- Blue (11%)



- Red (96%)
- Yellow (56%)
- Blue (11%)



- Cyan (0%)
- Magenta (58%)
- Yellow (89%)
- Black (4%)




- Cyan (4%)
- Magenta (60%)
- Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7160, 29.1968, 4.4828 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 42.7160, 29.1968, 4.4828 by changing the saturation by 10% instead.





 42.7160, 29.1968,  
4.4828


 42.7160, 29.1968,  
4.4828


348.3839,  
298.1424, 153.4494

 29.8559, 19.2297,  
1.8938


 78.5405, 58.3896,  
15.1088


 19.8768, 11.8364,  
0.4888


 102.2356, 78.3842,  
23.9828

 12.4132, 6.6324,  
0.0000


 130.2731,  
102.4900, 35.7889

 7.1000, 3.2333,  
0.0000

 163.0184,  
131.0915, 50.9456

 3.5716, 1.2547,  
0.0000

 200.8367,  
164.5731, 69.8714

 1.4627, 0.1057,  
0.0000

 244.0935,

 0.3003, 0.0000,

203.3192, 92.9850

0.0000

293.1541,  
247.7142, 120.7048

0.0000, 0.0000,  
0.0000

42.7160, 29.1968,  
4.4828

42.7160, 29.1968,  
4.4828

41.0814, 26.2328,  
2.9988

44.8887, 32.8681,  
7.2869

40.8796, 25.8598,  
2.8369

47.6695, 37.2962,  
11.7082

51.1128, 42.5282,  
17.9564

55.2653, 48.6055,  
26.2087

60.1692, 55.5660,  
36.6210

65.8629, 63.4453,  
49.3337

72.3819, 72.2767,  
64.4753

79.7595, 82.0918,  
82.1644

88.0272, 92.9208,  
102.5123

# Harmonies

## Analogous

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



51.6158, 29.1968, 14.9712



42.7160, 29.1968, 4.4828



31.0364, 29.1968, 1.9071

# Triad

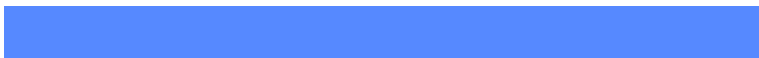
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.7160, 29.1968, 4.4828



12.0184, 29.1968, 23.5628



35.8189, 29.1968, 124.0893

# Complementary

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



42.7160, 29.1968, 4.4828



31.3337, 35.5864, 91.6028

# 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.



24.7055, 29.1968, 132.3086



42.7160, 29.1968, 4.4828



12.6787, 29.1968, 58.0090

# Square

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



42.7160, 29.1968, 4.4828



14.6497, 29.1968, 7.3390



16.7660, 29.1968, 102.9540



46.9770, 29.1968, 84.7425



# Rectangle

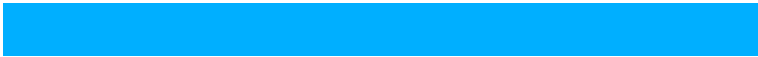
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.7160, 29.1968, 4.4828



23.9780, 29.1968, 1.9692



16.7660, 29.1968, 102.9540



31.8997, 29.1968, 131.2740

# Sweetspot

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



42.7166, 29.1985, 4.4833



73.1527, 70.8792, 56.3635



45.5818, 23.2472, 41.4512



15.1697, 14.5028, 10.9525



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.



42.7166, 29.1985, 4.4833



44.7414, 28.2628, 3.0971



60.6250, 65.0152, 10.4527



16.9675, 17.4191, 17.2655



22.1390, 14.1636, 1.5670



2.0379, 1.4291, 0.1684



# Inverse Universe

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



31.3337, 35.5864, 91.6028



31.8427, 34.8054, 99.6476



18.8032, 10.5254, 87.4260



16.4864, 17.7371, 21.0972



15.8147, 17.4231, 49.0675



1.4856, 1.7226, 4.3444



# Previews

## White Background



This preview shows how the XYZ color 42.7160, 29.1968, 4.4828 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 42.7160, 29.1968, 4.4828 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 42.7160, 29.1968, 4.4828**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7160, 29.1968, 4.4828.



This preview shows how white text looks on a background with the XYZ color 42.7160, 29.1968,



# 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

42.7160, 29.1968, 4.4828

### Protanopia

26.6820, 29.4333, 6.1944

### Deuteranopia

29.6278, 29.1953, 4.0737



## Tritanopia

44.9389, 29.0992, 15.8185

# Trichromacy



## Original Color

42.7160, 29.1968, 4.4828

## Protanomaly

31.0603, 28.2260, 5.4012

## Deuteranomaly

33.3763, 28.4661, 4.0225

## Tritanomaly

43.7379, 29.0245, 9.9537

# Monochromacy



## Original Color

42.7160, 29.1968, 4.4828

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

27.3958, 24.7604, 14.6446

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7160, 29.1968, 4.4828 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(245, 103, 28)` looks like.

```
.text, #text, p{  
    color:rgb(245, 103, 28)  
}
```

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(245, 103, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 103, 28) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7160, 29.1968, 4.4828 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(245, 103, 28) }
```



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

```
.border{ border-color:rgb(245, 103, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 103, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 103, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 103, 28);  
box-shadow:4px 4px 4px 4px rgb(245, 103,  
28) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7160, 29.1968, 4.4828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 103, 28) }
```

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

```
.background{ background-color: rgb(245,  
103, 28) }
```

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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