

# Converting Colors

XYZ(41.8038, 28.1837, 8.3910)

Have a look what the booklet for  
XYZ(41.8038, 28.1837, 8.3910)  
contains.

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# Color

**XYZ(41.8162, 28.2085,  
8.3951)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F16442
RGB	241, 100, 66
RGB Percent	95%, 39%, 26%
CMY	0.0549, 0.6078, 0.7412
CMYK	0.00, 0.59, 0.73, 0.05
HSL	12°, 86%, 60%
HSV	12°, 73%, 95%
XYZ	41.8162, 28.2085, 8.3951
YIQ	138.2830, 94.9500, 19.3180

# Conversions

## Conversions Part 2

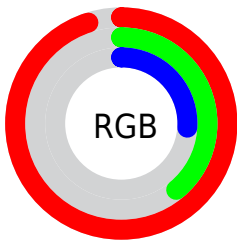
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 108, 66
Decimal	15819842
CIE <sub>Lab</sub>	60.08, 52.37, 46.04
CIE <sub>LCh</sub>	60, 69.728, 41.324
Yxy	28.2085, 0.5332, 0.3597
Android (android.graphics.Color)	4294009922 (0xFFFF16442)
YUV	138.2830, -35.6355, 90.0828
Hunter-Lab	53.1117, 47.5923, 27.8065

# Details

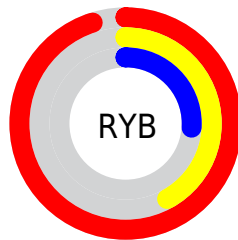
The XYZ color **41.8162, 28.2085, 8.3951** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **40.4347, 52.1307, 91.1497**, and the grayscale version is **24.3733, 25.6426, 27.9248**.

A 20% lighter version of the original color is **56.1137, 45.9636, 22.4374**, and **19.3783, 11.3134, 1.7784** is the 20% darker color. If you saturate the color by 10%, you get **39.6038, 24.6916, 4.8599**, and if you desaturate by 10%, it is **44.7728, 32.7357, 13.6543**.

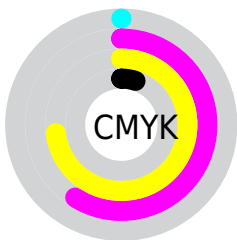
# Distribution



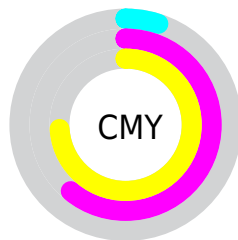
- Red (95%)
- Green (39%)
- Blue (26%)



- Red (95%)
- Yellow (42%)
- Blue (26%)



- Cyan (0%)
- Magenta (59%)
- Yellow (73%)
- Black (5%)




- Cyan (5%)
- Magenta (61%)
- Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8162, 28.2085, 8.3951 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 41.8162, 28.2085, 8.3951 by changing the saturation by 10% instead.





 41.8162, 28.2085,  
8.3951


 41.8162, 28.2085,  
8.3951


344.7251,  
293.4619, 188.8478


 29.1479, 18.4829,  
4.2574


 77.1883, 56.8171,  
23.2883


 19.3376, 11.2972,  
1.7676


 100.6228, 76.4690,  
34.8808

 12.0199, 6.2671,  
0.4065


 128.3767,  
100.1983, 49.7954

 6.8295, 3.0082,  
0.0000

 160.8154,  
128.3896, 68.4506

 3.4011, 1.1360,  
0.0000

 198.3042,  
161.4272, 91.2648

 1.3692, 0.0085,  
0.0000

241.2085,

 0.2342, 0.0000,

199.6955, 118.6568

0.0000

289.8937,  
243.5789, 151.0449

■ 0.0000, 0.0000,  
0.0000

■ 41.8162, 28.2085,  
8.3951

■ 41.8162, 28.2085,  
8.3951

■ 39.6038, 24.6916,  
4.8599

■ 44.7728, 32.7357,  
13.6543

■ 38.0611, 22.1000,  
2.8235


■ 48.5339, 38.3397,  
20.8220


■ 37.2853, 20.7204,  
2.0343


■ 53.1557, 45.0864,  
30.0602

■ 58.6885, 53.0353,  
41.5133

■ 65.1788, 62.2414,  
55.3126

 72.6696, 72.7564,  
71.5793

 81.2014, 84.6292,  
90.4262

 90.0854, 97.4407,  
108.6677

# Harmonies

## Analogous

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



47.3216, 28.2085, 22.0652



41.8162, 28.2085, 8.3951



32.6696, 28.2085, 3.7568

# Triad

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



41.8162, 28.2085, 8.3951



13.6532, 28.2085, 17.5476



30.3119, 28.2085, 108.1293

# Complementary

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



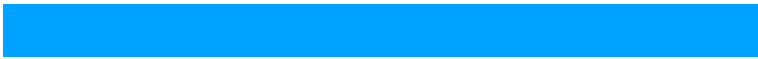
41.8162, 28.2085, 8.3951



40.4347, 52.1307, 91.1497

# 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.



21.6990, 28.2085, 104.4106



41.8162, 28.2085, 8.3951



13.2944, 28.2085, 41.3713

# Square

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



41.8162, 28.2085, 8.3951



17.0292, 28.2085, 6.6600



15.9088, 28.2085, 75.7407



39.7650, 28.2085, 84.1402



# Rectangle

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



41.8162, 28.2085, 8.3951



26.4181, 28.2085, 3.1592



15.9088, 28.2085, 75.7407



27.2085, 28.2085, 110.3204

# Sweetspot

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



41.8168, 28.2101, 8.3956



74.5349, 71.3744, 63.8202



49.7220, 27.1965, 62.8961



15.4967, 14.6320, 12.6797



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.



41.8168, 28.2101, 8.3956



44.1192, 26.5758, 4.2542



54.7300, 54.0365, 12.7000



16.0214, 16.2560, 16.4430



20.2927, 11.3834, 1.1277



1.7550, 1.0807, 0.1161

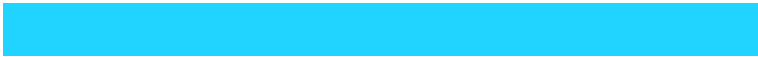


# Inverse Universe

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



40.4347, 52.1307, 91.1497



42.1974, 54.5766, 102.9180



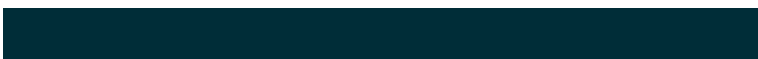
25.0121, 21.2855, 86.0088



15.9712, 17.3764, 20.2338



19.1873, 24.5989, 48.8647



1.6622, 2.1784, 4.0871



# Previews

## White Background



This preview shows how the XYZ color 41.8162, 28.2085, 8.3951 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 41.8162, 28.2085, 8.3951 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 41.8162, 28.2085, 8.3951**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8162, 28.2085, 8.3951.



This preview shows how white text looks on a background with the XYZ color 41.8162, 28.2085,

8.3951.

# 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

41.8162, 28.2085, 8.3951

### Protanopia

26.1078, 28.3185, 11.8746

### Deuteranopia

28.8831, 28.2961, 7.8103



## Tritanopia

43.5433, 28.3797, 15.7532

# Trichromacy



## Original Color

41.8162, 28.2085, 8.3951

## Protanomaly

30.1410, 27.0411, 10.4683

## Deuteranomaly

32.6519, 27.4381, 7.8501

## Tritanomaly

42.6958, 28.1479, 12.6340

# Monochromacy



## Original Color

41.8162, 28.2085, 8.3951

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

27.8115, 24.6991, 18.6308

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8162, 28.2085, 8.3951 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, 100, 66)` looks like.

```
.text, #text, p{  
    color:rgb(241, 100, 66)  
}
```

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, 100, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 100, 66) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8162, 28.2085, 8.3951 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, 100, 66) }
```



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

```
.border{ border-color:rgb(241, 100, 66) }
```

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

Here you see how a box with a 4 pixel rgb(241, 100, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 100, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 100, 66);  
box-shadow:4px 4px 4px 4px rgb(241, 100,  
66) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8162, 28.2085, 8.3951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 100, 66) }
```

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

```
.background{ background-color: rgb(241,  
100, 66) }
```

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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