

# Converting Colors

XYZ(41.3801, 29.7082, 7.8707)

Have a look what the booklet for  
XYZ(41.3801, 29.7082, 7.8707)  
contains.

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# Color

**XYZ(41.4251, 29.6996,  
7.8242)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED6F3C
RGB	237, 111, 60
RGB Percent	93%, 44%, 24%
CMY	0.0706, 0.5647, 0.7647
CMYK	0.00, 0.53, 0.75, 0.07
HSL	17°, 83%, 58%
HSV	17°, 75%, 93%
XYZ	41.4251, 29.6996, 7.8242
YIQ	142.8600, 91.4670, 10.8510

# Conversions

## Conversions Part 2

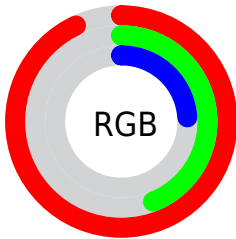
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">237, 132, 60</a>
Decimal	<a href="#">15560508</a>
CIELab	<a href="#">61.39, 45.50, 50.29</a>
CIELCh	<a href="#">61, 67.816, 47.864</a>
Yxy	<a href="#">29.6996, 0.5247, 0.3762</a>
Android (android.graphics.Color)	<a href="#">4293750588</a> ( <a href="#">0xFFED6F3C</a> )
YUV	<a href="#">142.8600, -40.8500, 82.5608</a>
Hunter-Lab	<a href="#">54.4973, 40.3130, 29.6359</a>

# Details

The XYZ color **41.4251, 29.6996, 7.8242** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **34.7070, 42.1900, 86.4345**, and the grayscale version is **26.1858, 27.5495, 30.0014**.

A 20% lighter version of the original color is **57.5096, 49.2961, 21.2359**, and **19.0124, 12.0423, 1.5521** is the 20% darker color. If you saturate the color by 10%, you get **39.2628, 26.1635, 4.6740**, and if you desaturate by 10%, it is **44.2167, 34.0464, 12.5675**.

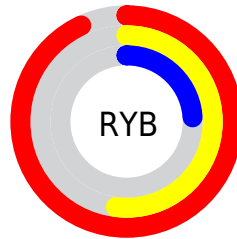
# Distribution



Red (93%)

Green (44%)

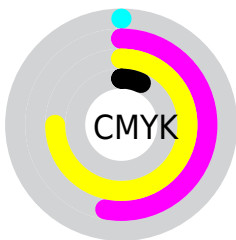
Blue (24%)



Red (93%)

Yellow (52%)

Blue (24%)

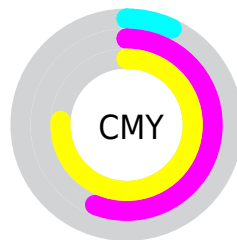


Cyan (0%)

Magenta (53%)

Yellow (75%)

Black (7%)



Cyan (7%)

Magenta (56%)


Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4251, 29.6996, 7.8242 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 41.4251, 29.6996, 7.8242 by changing the saturation by 10% instead.





 41.4251, 29.6996,  
7.8242


 41.4251, 29.6996,  
7.8242


343.1265,  
300.5017, 184.2294


 28.8405, 19.6107,  
3.8965


 76.5994, 59.1868,  
22.1535

 19.1039, 12.1124,  
1.5687


 99.9199, 79.3539,  
33.3923


 11.8498, 6.8203,  
0.2684


 127.5497,  
103.6491, 47.9051

 6.7130, 3.3499,  
0.0000

 159.8543,  
132.4569, 66.1105

 3.3280, 1.3170,  
0.0000

 197.1988,  
166.1617, 88.4271

 1.3295, 0.1543,  
0.0000

 239.9488,

 0.2051, 0.0000,

205.1478, 115.2734

0.0000

288.4696,  
249.7997, 147.0680

■ 0.0000, 0.0000,  
0.0000

■ 41.4251, 29.6996,  
7.8242

■ 41.4251, 29.6996,  
7.8242

■ 39.2628, 26.1635,  
4.6740

■ 44.2167, 34.0464,  
12.5675

■ 37.6676, 23.3777,  
2.8945


■ 47.6868, 39.2483,  
19.0832


■ 37.0100, 22.1747,  
2.3295


■ 51.8817, 45.3523,  
27.5281


■ 56.8423, 52.3999,  
38.0412

■ 62.6068, 60.4302,  
50.7482

 69.2101, 69.4798,  
65.7652

 76.6855, 79.5836,  
83.1997

 85.0641, 90.7745,  
103.1527

 88.7348, 96.7444,  
108.6045

# Harmonies

## Analogous

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



47.9889, 29.6996, 19.4486



41.4251, 29.6996, 7.8242



32.0047, 29.6996, 4.1188

# Triad

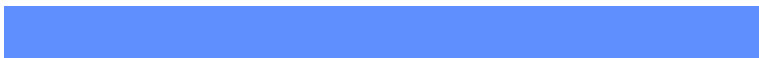
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.4251, 29.6996, 7.8242



14.5212, 29.6996, 23.0407



33.8459, 29.6996, 105.6239

# Complementary

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



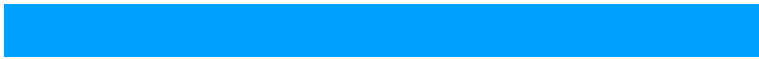
41.4251, 29.6996, 7.8242



34.7070, 42.1900, 86.4345

# 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.



24.7619, 29.6996, 108.4564



41.4251, 29.6996, 7.8242



14.8090, 29.6996, 49.9430

# Square

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



41.4251, 29.6996, 7.8242



17.2901, 29.6996, 9.2566



18.1824, 29.6996, 84.4097



43.0161, 29.6996, 77.9752



# Rectangle

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



41.4251, 29.6996, 7.8242



25.9379, 29.6996, 3.9594



18.1824, 29.6996, 84.4097



30.6503, 29.6996, 109.8924

# Sweetspot

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



41.4258, 29.7012, 7.8247



75.8546, 74.0137, 64.2601



45.4944, 24.8177, 49.3220



15.8037, 15.2461, 12.7820



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.



41.4258, 29.7012, 7.8247



45.2166, 28.9237, 4.1479



56.0834, 59.0166, 12.7106



15.4190, 15.7611, 15.7482



20.3036, 12.3013, 1.3043



1.6743, 1.1258, 0.1291



# Inverse Universe

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



34.7070, 42.1900, 86.4345



36.6317, 43.7698, 101.1255



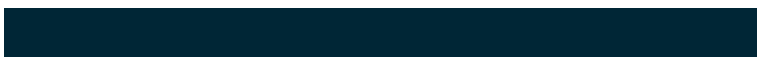
21.5501, 15.8763, 82.0489



15.1297, 16.3458, 19.2799



16.1796, 19.0061, 46.5588



1.3522, 1.6559, 3.6832



# Previews

## White Background



This preview shows how the XYZ color 41.4251, 29.6996, 7.8242 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 41.4251, 29.6996, 7.8242 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 41.4251, 29.6996, 7.8242**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4251, 29.6996, 7.8242.



This preview shows how white text looks on a background with the XYZ color 41.4251, 29.6996,



# 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

41.4251, 29.6996, 7.8242

### Protanopia

27.4018, 29.9492, 10.2978

### Deuteranopia

30.3944, 29.7368, 7.3866



## Tritanopia

43.5728, 29.6237, 18.7506

# Trichromacy



## Original Color

41.4251, 29.6996, 7.8242

## Protanomaly

31.1629, 28.8096, 9.2285

## Deuteranomaly

33.8491, 29.2202, 7.4705

## Tritanomaly

42.4934, 29.4828, 13.8070

# Monochromacy



## Original Color

41.4251, 29.6996, 7.8242

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

29.2284, 26.7720, 19.2498

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4251, 29.6996, 7.8242 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(237, 111, 60)` looks like.

```
.text, #text, p{  
    color:rgb(237, 111, 60)  
}
```

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(237, 111, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 111, 60) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4251, 29.6996, 7.8242 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(237, 111, 60) }
```



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

```
.border{ border-color:rgb(237, 111, 60) }
```

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

Here you see how a box with a 4 pixel rgb(237, 111, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 111, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 111, 60);  
box-shadow:4px 4px 4px 4px rgb(237, 111,  
60) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4251, 29.6996, 7.8242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 111, 60) }
```

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

```
.background{ background-color: rgb(237,  
111, 60) }
```

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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