

# Converting Colors

XYZ(41.1590, 28.8217, 7.8632)

Have a look what the booklet for  
XYZ(41.1590, 28.8217, 7.8632)  
contains.

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# Color

**XYZ(41.2562, 28.8221,  
7.8037)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE6A3D
RGB	238, 106, 61
RGB Percent	93%, 42%, 24%
CMY	0.0667, 0.5843, 0.7608
CMYK	0.00, 0.55, 0.74, 0.07
HSL	15°, 84%, 59%
HSV	15°, 74%, 93%
XYZ	41.2562, 28.8221, 7.8037
YIQ	140.3380, 93.1170, 13.9890

# Conversions

## Conversions Part 2

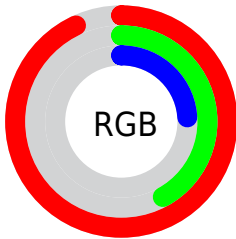
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	238, 121, 61
Decimal	15624765
CIE Lab	60.62, 48.30, 49.03
CIE LCh	61, 68.827, 45.433
Yxy	28.8221, 0.5297, 0.3701
Android (android.graphics.Color)	4293814845 (0xFFEE6A3D)
YUV	140.3380, -39.1136, 85.6496
Hunter-Lab	53.6862, 43.2209, 28.9621

# Details

The XYZ color **41.2562, 28.8221, 7.8037** 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 **36.4254, 45.3019, 87.7126**, and the grayscale version is **25.1820, 26.4934, 28.8514**.

A 20% lighter version of the original color is **56.6800, 47.5493, 21.2295**, and **18.9676, 11.5941, 1.5548** is the 20% darker color. If you saturate the color by 10%, you get **39.1078, 25.3341, 4.5957**, and if you desaturate by 10%, it is **44.0686, 33.1840, 12.6356**.

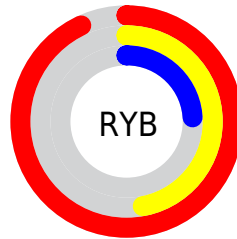
# Distribution



Red (93%)

Green (42%)

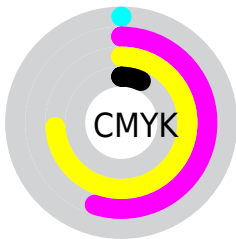
Blue (24%)



Red (93%)

Yellow (47%)

Blue (24%)

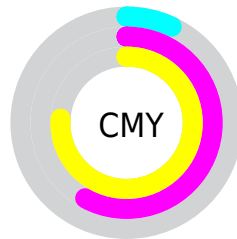


Cyan (0%)

Magenta (55%)

Yellow (74%)

Black (7%)



Cyan (7%)

Magenta (58%)


Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2562, 28.8221, 7.8037 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 41.2562, 28.8221, 7.8037 by changing the saturation by 10% instead.





 41.2562, 28.8221,  
7.8037


 41.2562, 28.8221,  
7.8037


342.4346,  
296.3747, 184.0609


 28.7079, 18.9463,  
3.8836


 76.3449, 57.7943,  
22.1125

 19.0031, 11.6315,  
1.5617


 99.6160, 77.6595,  
33.3383

 11.7766, 6.4933,  
0.2633


 127.1921,  
101.6233, 47.8364

 6.6628, 3.1473,  
0.0000

 159.4385,  
130.0700, 66.0254

 3.2966, 1.2091,  
0.0000

 196.7206,  
163.3841, 88.3238

 1.3125, 0.0691,  
0.0000

 239.4038,

 0.1925, 0.0000,

201.9500, 115.1502

0.0000

287.8533,  
246.1521, 146.9230

■ 0.0000, 0.0000,  
0.0000

■ 41.2562, 28.8221,  
7.8037

■ 41.2562, 28.8221,  
7.8037

■ 39.1078, 25.3341,  
4.5957

■ 44.0686, 33.1840,  
12.6356

■ 37.5572, 22.6517,  
2.7872


■ 47.5980, 38.4714,  
19.2729


■ 36.9027, 21.4632,  
2.1978


■ 51.8936, 44.7372,  
27.8742


■ 56.9997, 52.0287,  
38.5803

■ 62.9569, 60.3901,  
51.5190

 69.8028, 69.8630,  
66.8077

 77.5730, 80.4865,  
84.5558

 86.3009, 92.2980,  
104.8654

 89.0696, 96.9170,  
108.6201

# Harmonies

## Analogous

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



47.4419, 28.8221, 20.0559



41.2562, 28.8221, 7.8037



31.9318, 28.8221, 3.8240

# Triad

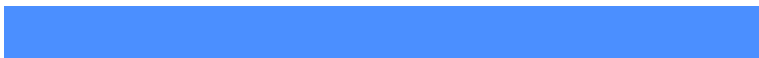
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.2562, 28.8221, 7.8037



13.9371, 28.8221, 20.5917



32.2095, 28.8221, 106.3816

# Complementary

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



41.2562, 28.8221, 7.8037



36.4254, 45.3019, 87.7126

# 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.



23.3088, 28.8221, 106.8151



41.2562, 28.8221, 7.8037



13.9798, 28.8221, 46.3279

# Square

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



41.2562, 28.8221, 7.8037



16.9150, 28.8221, 8.0128



17.0480, 28.8221, 80.9008



41.4971, 28.8221, 79.9196



# Rectangle

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



41.2562, 28.8221, 7.8037



25.8048, 28.8221, 3.5002



17.0480, 28.8221, 80.9008



29.0483, 28.8221, 109.9138

# Sweetspot

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



41.2569, 28.8237, 7.8042



75.3730, 73.0504, 64.0995



46.6380, 25.3985, 53.3360



15.6915, 15.0216, 12.7446



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.



41.2569, 28.8237, 7.8042



44.7587, 27.9611, 4.1397



55.3381, 56.9862, 12.4979



16.0994, 16.4120, 16.4690



20.6755, 12.1490, 1.2553



1.7971, 1.1649, 0.1301



# Inverse Universe

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



36.4254, 45.3019, 87.7126



38.5628, 47.5327, 101.7500



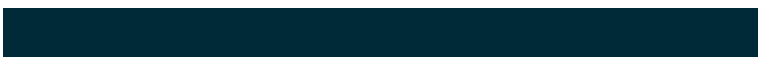
22.4343, 17.3195, 83.0489



15.8873, 17.2087, 20.2059



17.5434, 21.3110, 48.3167



1.5384, 1.9308, 4.0458



# Previews

## White Background



This preview shows how the XYZ color 41.2562, 28.8221, 7.8037 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 41.2562, 28.8221, 7.8037 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 41.2562, 28.8221, 7.8037**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2562, 28.8221, 7.8037.



This preview shows how white text looks on a background with the XYZ color 41.2562, 28.8221,



# 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

41.2562, 28.8221, 7.8037

### Protanopia

26.5366, 29.0299, 10.5080

### Deuteranopia

29.4037, 28.7896, 7.3754



## Tritanopia

43.2427, 28.8942, 17.2079

# Trichromacy



## Original Color

41.2562, 28.8221, 7.8037

## Protanomaly

30.5606, 27.8793, 9.4008

## Deuteranomaly

32.9318, 28.1608, 7.4413

## Tritanomaly

42.2923, 28.7894, 13.0007

# Monochromacy



## Original Color

41.2562, 28.8221, 7.8037

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

28.4929, 25.8161, 18.5202

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2562, 28.8221, 7.8037 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(238, 106, 61)` looks like.

```
.text, #text, p{  
    color:rgb(238, 106, 61)  
}
```

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(238, 106, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 106, 61) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2562, 28.8221, 7.8037 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(238, 106, 61) }
```



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

```
.border{ border-color:rgb(238, 106, 61) }
```

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

Here you see how a box with a 4 pixel rgb(238, 106, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 106, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 106, 61);  
box-shadow:4px 4px 4px 4px rgb(238, 106,  
61) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2562, 28.8221, 7.8037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 106, 61) }
```

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

```
.background{ background-color: rgb(238,  
106, 61) }
```

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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