

Converting Colors

XYZ(40.9531, 28.0720, 9.1790)

Have a look what the booklet for
XYZ(40.9531, 28.0720, 9.1790)
contains.

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Color

**XYZ(40.8138, 27.9622,
9.2074)**

Conversions

Conversions Part 1

Format	Color
Hex	ED6647
RGB	237, 102, 71
RGB Percent	93%, 40%, 28%
CMY	0.0706, 0.6000, 0.7216
CMYK	0.00, 0.57, 0.70, 0.07
HSL	11°, 82%, 60%
HSV	11°, 70%, 93%
XYZ	40.8138, 27.9622, 9.2074
YIQ	138.8310, 90.4110, 18.9790

Conversions

Conversions Part 2

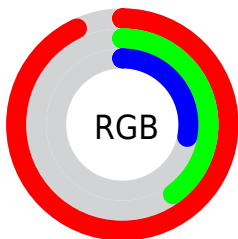
Format	Color
R _Y B	237, 109, 71
Decimal	15558215
CIE Lab	59.85, 50.26, 43.00
CIE LCh	60, 66.142, 40.548
Yxy	27.9622, 0.5234, 0.3586
Android (android.graphics.Color)	4293748295 (0xFFED6647)
YUV	138.8310, -33.4407, 86.0942
Hunter-Lab	52.8793, 45.2328, 26.6919

Details

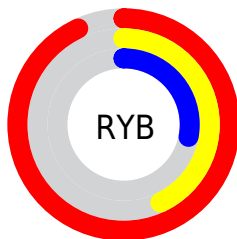
The XYZ color **40.8138, 27.9622, 9.2074** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **39.9542, 51.5931, 87.9730**, and the grayscale version is **24.5768, 25.8567, 28.1580**.

A 20% lighter version of the original color is **56.7482, 46.7544, 24.1227**, and **18.6475, 11.1019, 2.0797** is the 20% darker color. If you saturate the color by 10%, you get **38.5171, 24.3582, 5.3928**, and if you desaturate by 10%, it is **43.8485, 32.5685, 14.7307**.

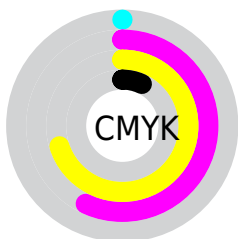
Distribution



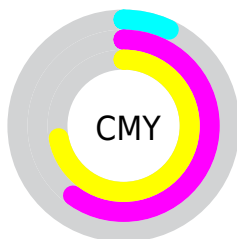
- Red (93%)
- Green (40%)
- Blue (28%)



- Red (93%)
- Yellow (43%)
- Blue (28%)



- Cyan (0%)
- Magenta (57%)
- Yellow (70%)
- Black (7%)





- Cyan (7%)
- Magenta (60%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8138, 27.9622, 9.2074 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 40.8138, 27.9622, 9.2074 by changing the saturation by 10% instead.


 40.8138, 27.9622,
9.2074


 40.8138, 27.9622,
9.2074


340.6177,
292.2862, 195.1923


 28.3606, 18.2972,
4.7781


 75.6776, 56.4241,
24.8777

 18.7395, 11.1635,
2.0612


 98.8191, 75.9897,
36.9557

 11.5851, 6.1769,
0.5925


 126.2539, 99.6244,
52.4204

 6.5320, 2.9530,
0.0000

 158.3476,
127.7124, 71.6903

 3.2149, 1.1072,
0.0000

 195.4655,
160.6382, 95.1838

 1.2684, 0.0000,
0.0000

237.9729,

 0.1594, 0.0000,

198.7862, 123.3197

0.0000

286.2352,
242.5407, 156.5163

■ 0.0000, 0.0000,
0.0000

■ 40.8138, 27.9622,
9.2074

■ 40.8138, 27.9622,
9.2074

■ 38.5171, 24.3582,
5.3928

■ 43.8485, 32.5685,
14.7307

■ 36.8888, 21.6752,
3.0820


■ 47.6781, 38.2406,
22.1331


■ 35.8356, 19.8259,
1.9380


■ 52.3559, 45.0423,
31.5657

■ 57.9298, 53.0308,
43.1636

■ 64.4442, 62.2595,
57.0505

 71.9405, 72.7784,
73.3407

 80.4574, 84.6348,
92.1406

 88.7349, 96.7444,
108.6045

Harmonies

Analogous

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



45.7967, 27.9622, 22.7486



40.8138, 27.9622, 9.2074



32.3185, 27.9622, 4.3587

Triad

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



40.8138, 27.9622, 9.2074



14.0851, 27.9622, 17.5084



29.6406, 27.9622, 102.1798

Complementary

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



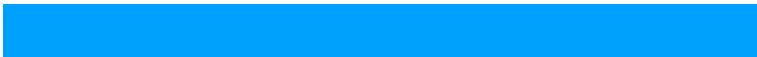
40.8138, 27.9622, 9.2074



39.9542, 51.5931, 87.9730

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.



21.5596, 27.9622, 98.0755



40.8138, 27.9622, 9.2074



13.6649, 27.9622, 39.7094

Square

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



40.8138, 27.9622, 9.2074



17.4102, 27.9622, 7.1065



16.1086, 27.9622, 71.4307



38.5021, 27.9622, 80.7632

Rectangle

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



40.8138, 27.9622, 9.2074



26.4232, 27.9622, 3.6767



16.1086, 27.9622, 71.4307



26.7318, 27.9622, 103.9348

Sweetspot

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



40.8144, 27.9638, 9.2079



75.2425, 72.3120, 65.5282



48.3878, 26.9949, 61.4142



15.6312, 14.8083, 13.0105



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.



40.8144, 27.9638, 9.2079



44.5651, 27.2754, 4.9954



53.2929, 52.9207, 13.3674



15.2931, 15.5092, 15.7063



19.6346, 10.9635, 1.0813



1.6058, 0.9890, 0.1063

Inverse Universe

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



39.9542, 51.5931, 87.9730



43.2543, 56.2828, 103.1917



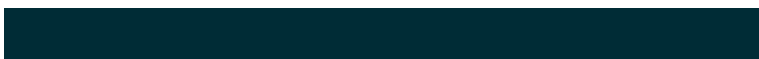
25.0382, 21.7612, 83.0010



15.2646, 16.6156, 19.3249



18.8154, 24.2778, 47.4374



1.5392, 2.0300, 3.7456

Previews

White Background



This preview shows how the XYZ color 40.8138, 27.9622, 9.2074 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 40.8138, 27.9622, 9.2074 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 40.8138, 27.9622, 9.2074

Background



This preview shows how black text looks on a background with the XYZ color 40.8138, 27.9622, 9.2074.



This preview shows how white text looks on a background with the XYZ color 40.8138, 27.9622,

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

40.8138, 27.9622, 9.2074

Protanopia

25.8656, 28.1758, 12.6695

Deuteranopia

28.5761, 28.1195, 8.6241



Tritanopia

42.4630, 28.0856, 16.2797

Trichromacy



Original Color

40.8138, 27.9622, 9.2074

Protanomaly

29.7917, 26.8445, 11.2007

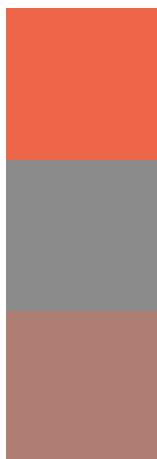
Deuteranomaly

32.1364, 27.3399, 8.7376

Tritanomaly

41.6535, 27.8735, 13.3100

Monochromacy



Original Color

40.8138, 27.9622, 9.2074

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

28.1773, 25.2506, 19.3083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8138, 27.9622, 9.2074 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, 102, 71)` looks like.

```
.text, #text, p{  
    color:rgb(237, 102, 71)  
}
```

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, 102, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 102, 71) }
```

Border

The CSS property to change the border of an element to XYZ 40.8138, 27.9622, 9.2074 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, 102, 71) }
```


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

```
.border{ border-color:rgb(237, 102, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 102, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 102, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 102, 71);  
box-shadow:4px 4px 4px 4px rgb(237, 102,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8138, 27.9622, 9.2074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 102, 71) }
```

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

```
.background{ background-color: rgb(237,  
102, 71) }
```

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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