

# Converting Colors

XYZ(40.4418, 27.7505, 9.1297)

Have a look what the booklet for  
XYZ(40.4418, 27.7505, 9.1297)  
contains.

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# Color

**XYZ(40.4808, 27.7905,  
9.1918)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | EC6647                     |
| RGB           | 236, 102, 71               |
| RGB Percent   | 93%, 40%, 28%              |
| CMY           | 0.0745, 0.6000, 0.7216     |
| CMYK          | 0.00, 0.57, 0.70, 0.07     |
| HSL           | 11°, 81%, 60%              |
| HSV           | 11°, 70%, 93%              |
| XYZ           | 40.4808, 27.7905, 9.1918   |
| YIQ           | 138.5320, 89.8150, 18.7670 |

# Conversions

## Conversions Part 2

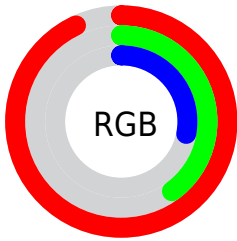
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 236, 109, 71                   |
| Decimal                             | 15492679                       |
| CIE <sub>Lab</sub>                  | 59.70, 49.90, 42.78            |
| CIE <sub>LCh</sub>                  | 60, 65.728, 40.606             |
| Yxy                                 | 27.7905, 0.5226,<br>0.3588     |
| Android<br>(android.graphics.Color) | 4293682759<br>(0xFFEC6647)     |
| YUV                                 | 138.5320, -33.2933,<br>85.4794 |
| Hunter-Lab                          | 52.7167, 44.8147,<br>26.5638   |

# Details

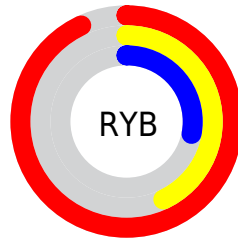
The XYZ color **40.4808, 27.7905, 9.1918** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **39.5685, 51.0550, 87.1256**, and the grayscale version is **24.4613, 25.7352, 28.0257**.

A 20% lighter version of the original color is **56.7482, 46.7544, 24.1227**, and **18.4256, 10.9875, 2.0694** is the 20% darker color. If you saturate the color by 10%, you get **38.1944, 24.2038, 5.3907**, and if you desaturate by 10%, it is **43.4978, 32.3686, 14.6869**.

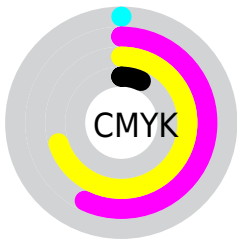
# Distribution



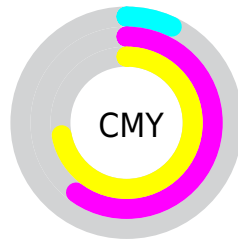
- Red (93%)
- Green (40%)
- Blue (28%)



- 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 40.4808, 27.7905, 9.1918 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 40.4808, 27.7905, 9.1918 by changing the saturation by 10% instead.





 40.4808, 27.7905,  
9.1918


 40.4808, 27.7905,  
9.1918

339.2457,  
291.4645, 195.0728


 28.0995, 18.1678,  
4.7680


 75.1748, 56.1498,  
24.8474

 18.5415, 11.0705,  
2.0554


 98.2182, 75.6552,  
36.9163


 11.4415, 6.1143,  
0.5891


 125.5464, 99.2236,  
52.3707

 6.4341, 2.9147,  
0.0000

 157.5246,  
127.2393, 71.6290

 3.1539, 1.0874,  
0.0000

 194.5183,  
160.0869, 95.1098

 1.2357, 0.0000,  
0.0000

236.8928,

 0.1343, 0.0000,

198.1507, 123.2317

0.0000

285.0135,  
241.8151, 156.4132

■ 0.0000, 0.0000,  
0.0000

■ 40.4808, 27.7905,  
9.1918

■ 40.4808, 27.7905,  
9.1918

■ 38.1944, 24.2038,  
5.3907

■ 43.4978, 32.3686,  
14.6869

■ 36.5700, 21.5285,  
3.0813

■ 47.3015, 38.0007,  
22.0441


■ 35.5129, 19.6730,  
1.9313


■ 51.9443, 44.7495,  
31.4128


■ 35.5057, 19.6603,  
1.9235

■ 57.4737, 52.6713,  
42.9265

■ 63.9333, 61.8189,  
56.7074

 71.3639, 72.2414,  
72.8684

 79.8039, 83.9855,  
91.5148

 88.4019, 96.5728,  
108.5889

# Harmonies

## Analogous

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



45.4157, 27.7905, 22.6006



40.4808, 27.7905, 9.1918



32.0770, 27.7905, 4.3778

# Triad

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



40.4808, 27.7905, 9.1918



14.0369, 27.7905, 17.4758



29.4624, 27.7905, 101.1070

# Complementary

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



40.4808, 27.7905, 9.1918



39.5685, 51.0550, 87.1256

# 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.



21.4601, 27.7905, 97.1089



40.4808, 27.7905, 9.1918



13.6256, 27.7905, 39.4776

# Square

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



40.4808, 27.7905, 9.1918



17.3272, 27.7905, 7.1304



16.0541, 27.7905, 70.8321



38.2252, 27.7905, 79.9279



# Rectangle

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



40.4808, 27.7905, 9.1918



26.2455, 27.7905, 3.7018



16.0541, 27.7905, 70.8321



26.5833, 27.7905, 102.8569

# Sweetspot

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



40.4814, 27.7920, 9.1923



75.2576, 72.3422, 65.5332



47.9554, 26.7835, 60.8755



15.6348, 14.8154, 13.0116



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.



40.4814, 27.7920, 9.1923



44.5831, 27.3114, 5.0014



52.8179, 52.4650, 13.3044



15.2945, 15.5120, 15.7067



19.6405, 10.9752, 1.0833



1.6065, 0.9903, 0.1065

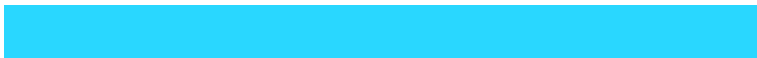


# Inverse Universe

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



39.5685, 51.0550, 87.1256



43.1926, 56.1596, 103.1711



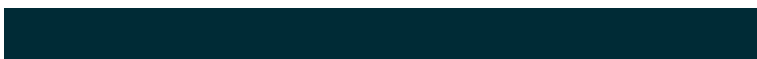
24.8530, 21.6240, 82.2204



15.2631, 16.6126, 19.3244



18.7835, 24.2141, 47.4267

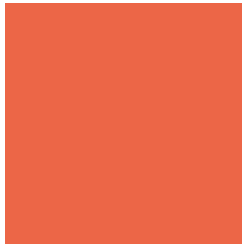


1.5370, 2.0255, 3.7448



# Previews

## White Background



This preview shows how the XYZ color 40.4808, 27.7905, 9.1918 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 40.4808, 27.7905, 9.1918 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 40.4808, 27.7905, 9.1918**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.4808, 27.7905, 9.1918.



This preview shows how white text looks on a background with the XYZ color 40.4808, 27.7905,



# 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

40.4808, 27.7905, 9.1918

### Protanopia

25.7135, 27.8715, 12.6188

### Deuteranopia

28.4615, 27.8452, 8.7251



## Tritanopia

42.1263, 27.9120, 16.2640

# Trichromacy



## Original Color

40.4808, 27.7905, 9.1918

## Protanomaly

29.5479, 26.7188, 11.1893

## Deuteranomaly

32.0402, 27.0999, 8.8523

## Tritanomaly

41.3187, 27.7009, 13.2943

# Monochromacy



## Original Color

40.4808, 27.7905, 9.1918

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

27.9537, 25.1353, 19.2979

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.4808, 27.7905, 9.1918 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(236, 102, 71)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 102, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 102, 71) }
```

## Border

The CSS property to change the border of an element to XYZ 40.4808, 27.7905, 9.1918 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(236, 102, 71) }
```



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

```
.border{ border-color:rgb(236, 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(236, 102, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 102, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 102, 71);  
box-shadow:4px 4px 4px 4px rgb(236, 102,  
71) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.4808, 27.7905, 9.1918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 102, 71) }
```

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

```
.background{ background-color: rgb(236,  
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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