

# Converting Colors

XYZ(38.1489, 27.9601, 8.4630)

Have a look what the booklet for  
XYZ(38.1489, 27.9601, 8.4630)  
contains.

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# Color

**XYZ(38.0026, 27.9193,  
8.3870)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E26F41
RGB	226, 111, 65
RGB Percent	89%, 44%, 25%
CMY	0.1137, 0.5647, 0.7451
CMYK	0.00, 0.51, 0.71, 0.11
HSL	17°, 74%, 57%
HSV	17°, 71%, 89%
XYZ	38.0026, 27.9193, 8.3870
YIQ	140.1410, 83.3060, 10.0740

# Conversions

## Conversions Part 2

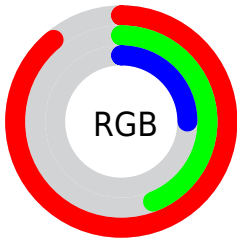
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 129, 65
Decimal	14839617
CIE <sub>Lab</sub>	59.82, 41.56, 45.62
CIE <sub>LCh</sub>	60, 61.712, 47.667
Yxy	27.9193, 0.5114, 0.3757
Android (android.graphics.Color)	4293029697 (0xFFE26F41)
YUV	140.1410, -37.0445, 75.2983
Hunter-Lab	52.8387, 35.9128, 27.5761

# Details

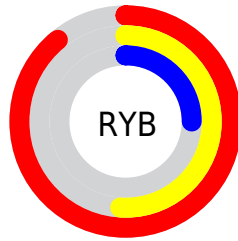
The XYZ color **38.0026, 27.9193, 8.3870** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **32.2273, 39.2545, 77.8293**, and the grayscale version is **25.0999, 26.4070, 28.7572**.

A 20% lighter version of the original color is **57.7896, 49.4081, 22.7105**, and **16.9750, 11.0609, 1.7706** is the 20% darker color. If you saturate the color by 10%, you get **35.8691, 24.4989, 5.0666**, and if you desaturate by 10%, it is **40.7175, 32.0840, 13.1929**.

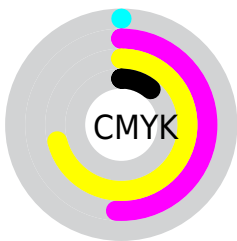
# Distribution



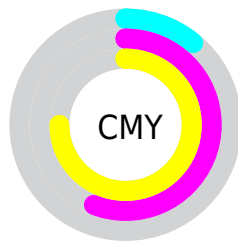
- Red (89%)
- Green (44%)
- Blue (25%)



- Red (89%)
- Yellow (51%)
- Blue (25%)



- Cyan (0%)
- Magenta (51%)
- Yellow (71%)
- Black (11%)




- Cyan (11%)
- Magenta (56%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0026, 27.9193, 8.3870 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 38.0026, 27.9193, 8.3870 by changing the saturation by 10% instead.





 38.0026, 27.9193,  
8.3870


 38.0026, 27.9193,  
8.3870


328.9118,  
292.0811, 188.7832


 26.1619, 18.2648,  
4.2523


 71.4160, 56.3556,  
23.2723


 17.0781, 11.1403,  
1.7647


 93.7194, 75.9062,  
34.8599


 10.3859, 6.1613,  
0.4045


 120.2412, 99.5243,  
49.7689

 5.7198, 2.9434,  
0.0000

 151.3466,  
127.5943, 68.4177

 2.7145, 1.1023,  
0.0000

 187.4010,  
160.5006, 91.2251

 1.0046, 0.0000,  
0.0000

228.7697,

 0.0000, 0.0000,

198.6275, 118.6094

0.0000

275.8182,  
242.3596, 150.9893

■ 38.0026, 27.9193,  
8.3870

■ 38.0026, 27.9193,  
8.3870

■ 35.8691, 24.4989,  
5.0666

■ 40.7175, 32.0840,  
13.1929

■ 34.2644, 21.7706,  
3.0488


■ 44.0555, 37.0313,  
19.6351


■ 33.2301, 19.9013,  
2.0899


■ 48.0565, 42.8021,  
27.8471


■ 52.7561, 49.4329,  
37.9482

■ 58.1873, 56.9580,  
50.0472

 64.3809, 65.4098,  
64.2446

 71.3660, 74.8187,  
80.6341

 79.1698, 85.2142,  
99.3038

 85.1738, 94.9086,  
108.4378

# Harmonies

## Analogous

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



43.5929, 27.9193, 19.1154



38.0026, 27.9193, 8.3870



29.8787, 27.9193, 4.7548

# Triad

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



38.0026, 27.9193, 8.3870



14.3927, 27.9193, 22.0995



31.3655, 27.9193, 92.6447

# Complementary

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



38.0026, 27.9193, 8.3870



32.2273, 39.2545, 77.8293

# 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.



23.4533, 27.9193, 94.8420



38.0026, 27.9193, 8.3870



14.6349, 27.9193, 45.4277

# Square

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



38.0026, 27.9193, 8.3870



16.9022, 27.9193, 9.6461



17.6453, 27.9193, 74.6278



39.2736, 27.9193, 69.5891



# Rectangle

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



38.0026, 27.9193, 8.3870



24.5808, 27.9193, 4.5803



17.6453, 27.9193, 74.6278



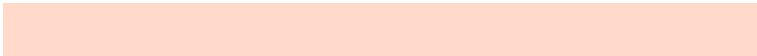
28.5932, 27.9193, 96.1474

# Sweetspot

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



38.0032, 27.9208, 8.3875



76.5847, 74.9963, 65.9756



41.5315, 23.2603, 45.6857



15.9456, 15.4371, 13.1153



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.



38.0032, 27.9208, 8.3875



46.1691, 30.5520, 5.3187



50.9742, 53.8627, 12.7111



14.0246, 14.3352, 14.3346



19.0458, 11.5294, 1.2216



1.3952, 0.9493, 0.1097



# Inverse Universe

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



32.2273, 39.2545, 77.8293



37.9423, 45.8043, 101.4491



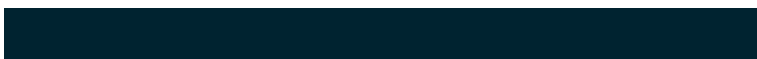
20.4535, 15.7069, 73.9047



13.7684, 14.8758, 17.5333



15.2504, 17.9704, 43.7132



1.1323, 1.3961, 3.0550



# Previews

## White Background



This preview shows how the XYZ color 38.0026, 27.9193, 8.3870 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 38.0026, 27.9193, 8.3870 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 38.0026, 27.9193, 8.3870**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.0026, 27.9193, 8.3870.



This preview shows how white text looks on a background with the XYZ color 38.0026, 27.9193,



# 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

38.0026, 27.9193, 8.3870

### Protanopia

25.7280, 28.1435, 10.9137

### Deuteranopia

28.5575, 27.9104, 8.0198



## Tritanopia

40.0271, 27.7894, 18.8770

# Trichromacy



## Original Color

38.0026, 27.9193, 8.3870

## Protanomaly

29.0857, 27.3102, 9.8693

## Deuteranomaly

31.5874, 27.6456, 8.0862

## Tritanomaly

39.0476, 27.6908, 14.3532

# Monochromacy



## Original Color

38.0026, 27.9193, 8.3870

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

27.6255, 25.5507, 19.0985

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.0026, 27.9193, 8.3870 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(226, 111, 65)` looks like.

```
.text, #text, p{  
    color:rgb(226, 111, 65)  
}
```

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(226, 111, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 111, 65) }
```

## Border

The CSS property to change the border of an element to XYZ 38.0026, 27.9193, 8.3870 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(226, 111, 65) }
```



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

```
.border{ border-color:rgb(226, 111, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 111, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 111, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 111, 65);  
box-shadow:4px 4px 4px 4px rgb(226, 111,  
65) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.0026, 27.9193, 8.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 111, 65) }
```

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

```
.background{ background-color: rgb(226,  
111, 65) }
```

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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