

# Converting Colors

XYZ(38.2933, 28.4814, 7.0280)

Have a look what the booklet for  
XYZ(38.2933, 28.4814, 7.0280)  
contains.

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# Color

**XYZ(38.2495, 28.4075,  
6.9572)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E37136
RGB	227, 113, 54
RGB Percent	89%, 44%, 21%
CMY	0.1098, 0.5568, 0.7882
CMYK	0.00, 0.50, 0.76, 0.11
HSL	20°, 76%, 55%
HSV	20°, 76%, 89%
XYZ	38.2495, 28.4075, 6.9572
YIQ	140.3600, 86.8830, 5.8190

# Conversions

## Conversions Part 2

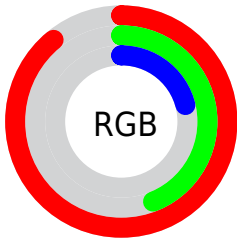
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 144, 54
Decimal	14905654
CIE Lab	60.26, 40.46, 51.52
CIE LCh	60, 65.507, 51.855
Yxy	28.4075, 0.5196, 0.3859
Android (android.graphics.Color)	4293095734 (0xFFE37136)
YUV	140.3600, -42.5755, 75.9833
Hunter-Lab	53.2987, 34.8268, 29.5698

# Details

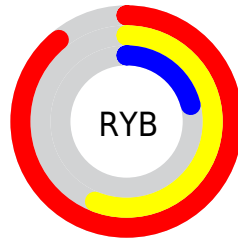
The XYZ color **38.2495, 28.4075, 6.9572** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **29.3877, 34.3330, 77.7505**, and the grayscale version is **25.2053, 26.5179, 28.8780**.

A 20% lighter version of the original color is **57.5574, 49.8969, 19.6942**, and **17.2397, 11.4446, 1.3004** is the 20% darker color. If you saturate the color by 10%, you get **36.3020, 25.1760, 4.2634**, and if you desaturate by 10%, it is **40.7219, 32.2916, 11.0526**.

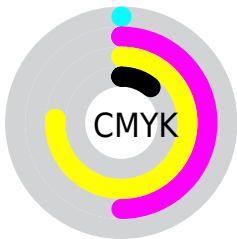
# Distribution



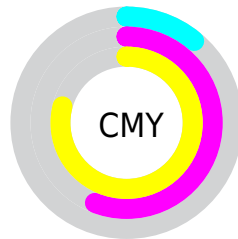
- Red (89%)
- Green (44%)
- Blue (21%)



- Red (89%)
- Yellow (56%)
- Blue (21%)



- Cyan (0%)
- Magenta (50%)
- Yellow (76%)
- Black (11%)




- Cyan (11%)
- Magenta (56%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2495, 28.4075, 6.9572 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 38.2495, 28.4075, 6.9572 by changing the saturation by 10% instead.





 38.2495, 28.4075,  
6.9572


 38.2495, 28.4075,  
6.9572

329.9514,  
294.4090, 176.9250

 26.3545, 18.6331,  
3.3573


 71.7918, 57.1344,  
20.3985


 17.2231, 11.4054,  
1.2798


 94.1699, 76.8556,  
31.0769


 10.4900, 6.3402,  
0.0452


 120.7729,  
100.6612, 44.9519

 5.7898, 3.0531,  
0.0000

 151.9664,  
128.9356, 62.4421

 2.7571, 1.1595,  
0.0000

 188.1156,  
162.0632, 83.9660

 1.0267, 0.0282,  
0.0000

 229.5860,

 0.0000, 0.0000,

200.4284, 109.9421

0.0000

276.7428,  
244.4155, 140.7889

■ 38.2495, 28.4075,  
6.9572

■ 38.2495, 28.4075,  
6.9572

■ 36.3020, 25.1760,  
4.2634

■ 40.7219, 32.2916,  
11.0526

■ 34.8258, 22.5503,  
2.7641


■ 43.7605, 36.8609,  
16.7136


■ 34.3620, 21.6982,  
2.3771


■ 47.4038, 42.1511,  
24.0828


■ 51.6862, 48.1937,  
33.2859

■ 56.6391, 55.0181,  
44.4369

 62.2920, 62.6521,  
57.6403

 68.6721, 71.1221,  
72.9933

 75.8053, 80.4531,  
90.5867

 83.1803, 90.4548,  
107.6832

# Harmonies

## Analogous

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



44.9263, 28.4075, 16.7150



38.2495, 28.4075, 6.9572



29.3530, 28.4075, 4.0257

# Triad

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



38.2495, 28.4075, 6.9572



13.9653, 28.4075, 24.8318



33.4668, 28.4075, 96.7448

# Complementary

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



38.2495, 28.4075, 6.9572



29.3877, 34.3330, 77.7505

# 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.



24.7771, 28.4075, 102.9832



38.2495, 28.4075, 6.9572



14.6178, 28.4075, 51.5311

# Square

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



38.2495, 28.4075, 6.9572



16.1904, 28.4075, 10.2609



18.2063, 28.4075, 83.4001



41.7904, 28.4075, 69.1776



# Rectangle

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



38.2495, 28.4075, 6.9572



23.8181, 28.4075, 4.1607



18.2063, 28.4075, 83.4001



30.4545, 28.4075, 101.8289

# Sweetspot

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



38.2501, 28.4090, 6.9577



75.8905, 74.5550, 62.8244



40.1903, 21.8463, 39.7988



15.6980, 15.2156, 12.1890



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.



38.2501, 28.4090, 6.9577



46.1551, 30.8436, 4.3288



52.5763, 57.0613, 11.7331



14.7768, 15.1675, 15.0533



20.1375, 12.8492, 1.4188



1.5719, 1.1171, 0.1328



# Inverse Universe

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



29.3877, 34.3330, 77.7505



33.8986, 38.3943, 100.2319



18.4670, 12.4915, 74.1102



14.3718, 15.4651, 18.3719



14.5196, 16.1014, 44.7258



1.1583, 1.3606, 3.3335



# Previews

## White Background



This preview shows how the XYZ color 38.2495, 28.4075, 6.9572 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 38.2495, 28.4075, 6.9572 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

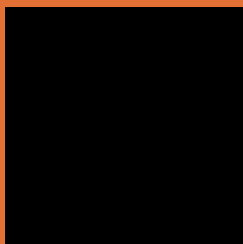
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.2495, 28.4075, 6.9572**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.2495, 28.4075, 6.9572.



This preview shows how white text looks on a background with the XYZ color 38.2495, 28.4075,



# 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

38.2495, 28.4075, 6.9572

### Protanopia

26.0764, 28.5980, 8.8482

### Deuteranopia

28.8930, 28.3273, 6.6342



## Tritanopia

40.8244, 28.3460, 19.2392

# Trichromacy



**Original Color**

38.2495, 28.4075, 6.9572

**Protanomaly**

29.5904, 27.8155, 8.0843

**Deuteranomaly**

31.7147, 27.9366, 6.7384

**Tritanomaly**

39.7135, 28.3680, 13.5077

# Monochromacy



**Original Color**

38.2495, 28.4075, 6.9572

**Achromatopsia**

24.9269, 26.2251, 28.5591

**Achromatomaly**

27.7562, 25.8400, 17.9927

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.2495, 28.4075, 6.9572 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(227, 113, 54)` looks like.

```
.text, #text, p{  
    color:rgb(227, 113, 54)  
}
```

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(227, 113, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 113, 54) }
```

## Border

The CSS property to change the border of an element to XYZ 38.2495, 28.4075, 6.9572 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(227, 113, 54) }
```



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

```
.border{ border-color:rgb(227, 113, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 113, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 113, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 113, 54);  
box-shadow:4px 4px 4px 4px rgb(227, 113,  
54) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.2495, 28.4075, 6.9572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 113, 54) }
```

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

```
.background{ background-color: rgb(227,  
113, 54) }
```

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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