

# Converting Colors

XYZ(37.8717, 28.5449, 7.1281)

Have a look what the booklet for  
XYZ(37.8717, 28.5449, 7.1281)  
contains.

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# Color

**XYZ(37.8717, 28.5449,  
7.1281)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E17337
RGB	225, 115, 55
RGB Percent	88%, 45%, 22%
CMY	0.1176, 0.5490, 0.7843
CMYK	0.00, 0.49, 0.76, 0.12
HSL	21°, 74%, 55%
HSV	21°, 76%, 88%
XYZ	37.8717, 28.5449, 7.1281
YIQ	141.0500, 84.8200, 4.6600

# Conversions

## Conversions Part 2

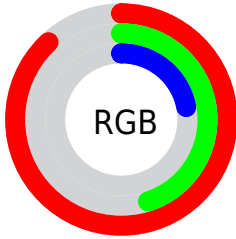
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 148, 55
Decimal	14775095
CIE <sub>Lab</sub>	60.38, 38.71, 51.08
CIE <sub>LCh</sub>	60, 64.092, 52.842
Yxy	28.5449, 0.5149, 0.3881
Android (android.graphics.Color)	4292965175 (0xFFE17337)
YUV	141.0500, -42.4226, 73.6242
Hunter-Lab	53.4274, 33.0306, 29.4889

# Details

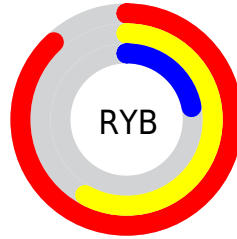
The XYZ color **37.8717, 28.5449, 7.1281** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **28.6202, 33.1566, 76.1251**, and the grayscale version is **25.4759, 26.8026, 29.1880**.

A 20% lighter version of the original color is **57.9778, 50.6559, 20.0864**, and **16.9431, 11.4555, 1.3468** is the 20% darker color. If you saturate the color by 10%, you get **35.9191, 25.3153, 4.3957**, and if you desaturate by 10%, it is **40.3334, 32.4002, 11.2425**.

# Distribution



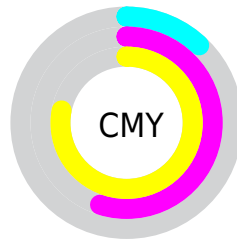
- Red (88%)
- Green (45%)
- Blue (22%)



- Red (88%)
- Yellow (58%)
- Blue (22%)



- Cyan (0%)
- Magenta (49%)
- Yellow (76%)
- Black (12%)




- Cyan (12%)
- Magenta (55%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8717, 28.5449, 7.1281 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 37.8717, 28.5449, 7.1281 by changing the saturation by 10% instead.





 37.8717, 28.5449,  
7.1281


 37.8717, 28.5449,  
7.1281

328.3597,  
295.0616, 178.3950

 26.0599, 18.7368,  
3.4627


 71.2166, 57.3532,  
20.7477


 17.0014, 11.4803,  
1.3355


 93.4804, 77.1223,  
31.5390


 10.3308, 6.3908,  
0.0906


 119.9589,  
100.9804, 45.5426

 5.6828, 3.0842,  
0.0000

 151.0175,  
129.3121, 63.1771

 2.6920, 1.1758,  
0.0000

 187.0215,  
162.5016, 84.8611

 0.9930, 0.0418,  
0.0000

 228.3363,

 0.0000, 0.0000,

200.9334, 111.0130

0.0000

275.3272,  
244.9920, 142.0515

■ 37.8717, 28.5449,  
7.1281

■ 37.8717, 28.5449,  
7.1281

■ 35.9191, 25.3153,  
4.3957

■ 40.3334, 32.4002,  
11.2425

■ 34.4251, 22.6676,  
2.8481


■ 43.3434, 36.9115,  
16.8972


■ 33.8775, 21.6602,  
2.3953

■ 46.9385, 42.1118,  
24.2302

■ 51.1516, 48.0308,  
33.3636

■ 56.0126, 54.6959,  
44.4080

 61.5495, 62.1331,  
57.4650

 67.7886, 70.3671,  
72.6289

 74.7546, 79.4215,  
89.9882

 82.0657, 89.1565,  
107.4914

# Harmonies

## Analogous

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



44.5109, 28.5449, 16.5826



37.8717, 28.5449, 7.1281



29.1538, 28.5449, 4.2972

# Triad

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



37.8717, 28.5449, 7.1281



14.2502, 28.5449, 25.7619



33.7589, 28.5449, 94.4662

# Complementary

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



37.8717, 28.5449, 7.1281



28.6202, 33.1566, 76.1251

# 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.



25.2042, 28.5449, 101.3525



37.8717, 28.5449, 7.1281



14.9913, 28.5449, 52.2353

# Square

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



37.8717, 28.5449, 7.1281



16.3605, 28.5449, 10.9382



18.6414, 28.5449, 83.0912



41.8205, 28.5449, 67.3391



# Rectangle

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



37.8717, 28.5449, 7.1281



23.7593, 28.5449, 4.5095



18.6414, 28.5449, 83.0912



30.8077, 28.5449, 99.6437

# Sweetspot

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



37.8723, 28.5464, 7.1286



76.0700, 74.9141, 62.8842



39.2546, 21.4749, 37.9126



15.7409, 15.3013, 12.2033



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.



37.8723, 28.5464, 7.1286



46.4313, 31.3960, 4.4208



52.2794, 57.3605, 11.9309



14.1011, 14.4881, 14.3601



19.6216, 12.6811, 1.4135



1.4423, 1.0434, 0.1254

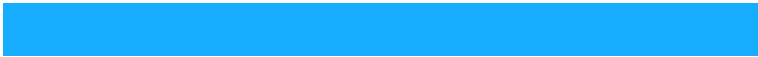


# Inverse Universe

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



28.6202, 33.1566, 76.1251



33.3633, 37.3238, 100.0535



18.0717, 12.0595, 72.6089



13.6882, 14.7156, 17.5066



13.8312, 15.1320, 43.2401



1.0420, 1.2154, 3.0249



# Previews

## White Background



This preview shows how the XYZ color 37.8717, 28.5449, 7.1281 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 37.8717, 28.5449, 7.1281 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 37.8717, 28.5449, 7.1281**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.8717, 28.5449, 7.1281.



This preview shows how white text looks on a background with the XYZ color 37.8717, 28.5449,



# 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

37.8717, 28.5449, 7.1281

### Protanopia

26.1046, 28.6093, 8.9968

### Deuteranopia

29.2946, 28.7459, 6.8008



## Tritanopia

40.5099, 28.4801, 19.8851

# Trichromacy



## Original Color

37.8717, 28.5449, 7.1281

## Protanomaly

29.5139, 27.9792, 8.2598

## Deuteranomaly

31.8689, 28.2100, 6.8974

## Tritanomaly

39.3834, 28.5079, 14.0165

# Monochromacy



## Original Color

37.8717, 28.5449, 7.1281

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

28.0790, 26.3990, 18.3674

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.8717, 28.5449, 7.1281 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(225, 115, 55)` looks like.

```
.text, #text, p{  
    color:rgb(225, 115, 55)  
}
```

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(225, 115, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 115, 55) }
```

## Border

The CSS property to change the border of an element to XYZ 37.8717, 28.5449, 7.1281 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(225, 115, 55) }
```



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

```
.border{ border-color:rgb(225, 115, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 115, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 115, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 115, 55);  
box-shadow:4px 4px 4px 4px rgb(225, 115,  
55) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.8717, 28.5449, 7.1281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 115, 55) }
```

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

```
.background{ background-color: rgb(225,  
115, 55) }
```

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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