

# Converting Colors

*XYZ(37.7773, 26.8728, 8.6726)*

Have a look what the booklet for  
XYZ(37.7773, 26.8728, 8.6726)  
contains.

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# Color

**XYZ(37.7735, 26.8514,  
8.6608)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E36944
RGB	227, 105, 68
RGB Percent	89%, 41%, 27%
CMY	0.1098, 0.5882, 0.7333
CMYK	0.00, 0.54, 0.70, 0.11
HSL	14°, 74%, 58%
HSV	14°, 70%, 89%
XYZ	37.7735, 26.8514, 8.6608
YIQ	137.2600, 84.5890, 14.3570

# Conversions

## Conversions Part 2

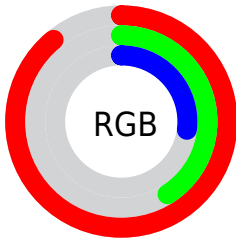
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 116, 68
Decimal	14903620
CIE <sub>Lab</sub>	58.84, 45.04, 43.02
CIE <sub>LCh</sub>	59, 62.280, 43.684
Yxy	26.8514, 0.5154, 0.3664
Android (android.graphics.Color)	4293093700 (0xFFE36944)
YUV	137.2600, -34.1452, 78.7020
Hunter-Lab	51.8183, 39.4373, 26.3632

# Details

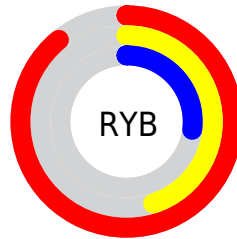
The XYZ color **37.7735, 26.8514, 8.6608** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **34.6609, 43.5988, 79.2611**, and the grayscale version is **23.9800, 25.2288, 27.4742**.

A 20% lighter version of the original color is **56.9082, 47.3643, 23.2824**, and **16.8804, 10.5095, 1.8483** is the 20% darker color. If you saturate the color by 10%, you get **35.6141, 23.4351, 5.1595**, and if you desaturate by 10%, it is **40.5655, 31.1045, 13.6958**.

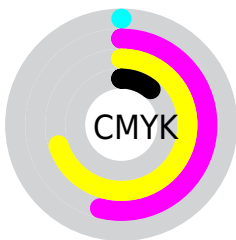
# Distribution



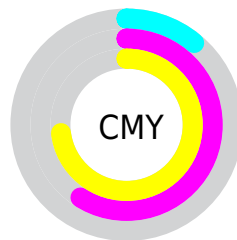
- Red (89%)
- Green (41%)
- Blue (27%)



- Red (89%)
- Yellow (45%)
- Blue (27%)



- Cyan (0%)
- Magenta (54%)
- Yellow (70%)
- Black (11%)




- Cyan (11%)
- Magenta (59%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7735, 26.8514, 8.6608 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 37.7735, 26.8514, 8.6608 by changing the saturation by 10% instead.





 37.7735, 26.8514,  
8.6608


 37.7735, 26.8514,  
8.6608

327.9450,  
286.9369, 190.9509


 25.9834, 17.4617,  
4.4268


 71.0670, 54.6453,  
23.8113

 16.9438, 10.5642,  
1.8623


 93.3010, 73.8183,  
35.5648


 10.2895, 5.7746,  
0.4686


 119.7471, 97.0211,  
50.6620

 5.6551, 2.7085,  
0.0000

 150.7705,  
124.6382, 69.5213

 2.6751, 0.9815,  
0.0000

 186.7367,  
157.0539, 92.5613

 0.9844, 0.0000,  
0.0000

228.0109,

 0.0000, 0.0000,

194.6527, 120.2005

0.0000

274.9586,  
237.8189, 152.8576

■ 37.7735, 26.8514,  
8.6608

■ 37.7735, 26.8514,  
8.6608

■ 35.6141, 23.4351,  
5.1595

■ 40.5655, 31.1045,  
13.6958

■ 34.0301, 20.7932,  
3.0097


■ 44.0364, 36.2418,  
20.4158


■ 32.9439, 18.8618,  
1.9044

■ 48.2300, 42.3124,  
28.9553


■ 53.1857, 49.3603,  
39.4347

■ 58.9399, 57.4266,  
51.9640

 65.5266, 66.5502,  
66.6450

 72.9780, 76.7678,  
83.5726

 81.3243, 88.1142,  
102.8361

 85.4883, 95.0708,  
108.4525

# Harmonies

## Analogous

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



42.7472, 26.8514, 20.3211



37.7735, 26.8514, 8.6608



29.9036, 26.8514, 4.5212

# Triad

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



37.7735, 26.8514, 8.6608



13.8007, 26.8514, 18.8831



29.1808, 26.8514, 92.6777

# Complementary

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



37.7735, 26.8514, 8.6608



34.6609, 43.5988, 79.2611

# 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.



21.5898, 26.8514, 91.5962



37.7735, 26.8514, 8.6608



13.6845, 26.8514, 40.4395

# Square

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



37.7735, 26.8514, 8.6608



16.6124, 26.8514, 8.0642



16.2545, 26.8514, 69.3092



37.1536, 26.8514, 71.7819



# Rectangle

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



37.7735, 26.8514, 8.6608



24.5832, 26.8514, 4.0711



16.2545, 26.8514, 69.3092



26.4832, 26.8514, 95.1030

# Sweetspot

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



37.7741, 26.8529, 8.6613



75.8604, 73.5477, 65.7341



43.3210, 24.2954, 52.5953



15.7758, 15.0974, 13.0586



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.



37.7741, 26.8529, 8.6613



45.3484, 28.8420, 5.2565



49.4394, 50.1835, 12.5497



14.6479, 14.9096, 15.0103



19.2870, 11.1481, 1.1353



1.4951, 0.9636, 0.1072



# Inverse Universe

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



34.6609, 43.5988, 79.2611



40.8226, 51.4196, 102.3811



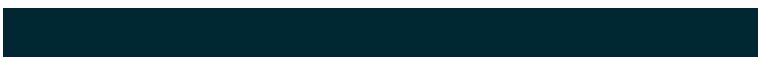
22.1598, 18.5966, 75.0941



14.5082, 15.7377, 18.4174



17.0254, 21.1129, 45.5610

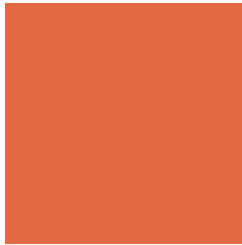


1.3273, 1.6986, 3.3899



# Previews

## White Background



This preview shows how the XYZ color 37.7735, 26.8514, 8.6608 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 37.7735, 26.8514, 8.6608 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 37.7735, 26.8514, 8.6608**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7735, 26.8514, 8.6608.



This preview shows how white text looks on a background with the XYZ color 37.7735, 26.8514,

8.6608.

# 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

37.7735, 26.8514, 8.6608

### Protanopia

24.8313, 26.9931, 11.4909

### Deuteranopia

27.4108, 26.8950, 8.1614



## Tritanopia

39.5241, 26.8339, 17.0062

# Trichromacy



## Original Color

37.7735, 26.8514, 8.6608

## Protanomaly

28.4462, 26.1674, 10.3890

## Deuteranomaly

30.6387, 26.3876, 8.3290

## Tritanomaly

38.7221, 26.7870, 13.4855

# Monochromacy



## Original Color

37.7735, 26.8514, 8.6608

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

26.8358, 24.3831, 18.6212

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7735, 26.8514, 8.6608 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, 105, 68)` looks like.

```
.text, #text, p{  
    color:rgb(227, 105, 68)  
}
```

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, 105, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 105, 68) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7735, 26.8514, 8.6608 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, 105, 68) }
```



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

```
.border{ border-color:rgb(227, 105, 68) }
```

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

Here you see how a box with a 4 pixel rgb(227, 105, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 105, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 105, 68);  
box-shadow:4px 4px 4px 4px rgb(227, 105,  
68) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7735, 26.8514, 8.6608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 105, 68) }
```

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

```
.background{ background-color: rgb(227,  
105, 68) }
```

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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