

Converting Colors

XYZ(37.7123, 26.8635, 6.6875)

Have a look what the booklet for
XYZ(37.7123, 26.8635, 6.6875)
contains.

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Color

**XYZ(37.7123, 26.8635,
6.6875)**

Conversions

Conversions Part 1

Format	Color
Hex	E46936
RGB	228, 105, 54
RGB Percent	89%, 41%, 21%
CMY	0.1059, 0.5882, 0.7882
CMYK	0.00, 0.54, 0.76, 0.11
HSL	18°, 76%, 55%
HSV	18°, 76%, 89%
XYZ	37.7123, 26.8635, 6.6875
YIQ	135.9630, 89.6790, 10.2150

Conversions

Conversions Part 2

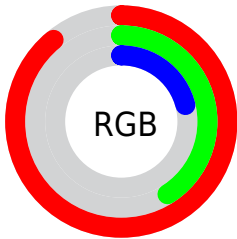
Format	Color
RYB	228, 126, 54
Decimal	14969142
CIELab	58.85, 44.79, 50.14
CIElCh	59, 67.231, 48.224
Yxy	26.8635, 0.5292, 0.3770
Android (android.graphics.Color)	4293159222 (0xFFE46936)
YUV	135.9630, -40.4078, 80.7164
Hunter-Lab	51.8300, 39.1768, 28.6310

Details

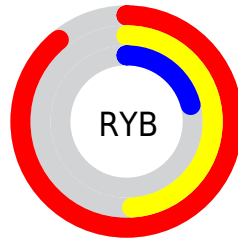
The XYZ color **37.7123, 26.8635, 6.6875** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **31.2455, 37.8269, 79.0526**, and the grayscale version is **23.5119, 24.7363, 26.9379**.

A 20% lighter version of the original color is **56.1368, 47.0558, 19.2206**, and **16.9648, 10.5674, 1.2030** is the 20% darker color. If you saturate the color by 10%, you get **35.8080, 23.7206, 4.0015**, and if you desaturate by 10%, it is **40.1796, 30.7318, 10.7986**.

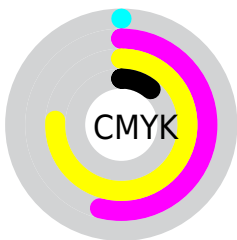
Distribution



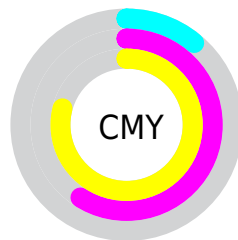
- Red (89%)
- Green (41%)
- Blue (21%)



- Red (89%)
- Yellow (49%)
- Blue (21%)



- Cyan (0%)
- Magenta (54%)
- Yellow (76%)
- Black (11%)





- Cyan (11%)
- Magenta (59%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7123, 26.8635, 6.6875 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 37.7123, 26.8635, 6.6875 by changing the saturation by 10% instead.


 37.7123, 26.8635,
6.6875


 37.7123, 26.8635,
6.6875


327.6864,
286.9956, 174.5724


 25.9357, 17.4707,
3.1920


 70.9737, 54.6648,
19.8438


 16.9079, 10.5707,
1.1935


 93.1892, 73.8420,
30.3416


 10.2638, 5.7789,
0.0000


 119.6150, 97.0496,
44.0106

 5.6378, 2.7111,
0.0000

 150.6165,
124.6718, 61.2694

 2.6647, 0.9829,
0.0000

 186.5590,
157.0932, 82.5364

 0.9790, 0.0000,
0.0000

 227.8080,

 0.0000, 0.0000,

194.6980, 108.2302

0.0000

274.7286,
237.8707, 138.7694

■ 37.7123, 26.8635,
6.6875

■ 37.7123, 26.8635,
6.6875

■ 35.8080, 23.7206,
4.0015

■ 40.1796, 30.7318,
10.7986

■ 34.4085, 21.2479,
2.5290

■ 43.2555, 35.3660,
16.5021

■ 33.9921, 20.4888,
2.1632

■ 46.9821, 40.8083,
23.9435

■ 51.3971, 47.0966,
33.2510

■ 56.5350, 54.2659,
44.5408

62.4281, 62.3495,
57.9197

69.1064, 71.3788,
73.4864

76.5983, 81.3834,
91.3337

84.2470, 92.1185,
107.9481

Harmonies

Analogous

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



43.8940, 26.8635, 17.1559



37.7123, 26.8635, 6.6875



28.9312, 26.8635, 3.4409

Triad

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



37.7123, 26.8635, 6.6875



12.8775, 26.8635, 20.8767



30.8574, 26.8635, 97.7042

Complementary

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



37.7123, 26.8635, 6.6875



31.2455, 37.8269, 79.0526

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.



22.4118, 26.8635, 100.7083



37.7123, 26.8635, 6.6875



13.1742, 26.8635, 46.0024

Square

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



37.7123, 26.8635, 6.6875



15.3830, 26.8635, 8.1412



16.3065, 26.8635, 78.3036



39.3830, 26.8635, 71.5005

Rectangle

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



37.7123, 26.8635, 6.6875



23.3170, 26.8635, 3.3241



16.3065, 26.8635, 78.3036



27.8850, 26.8635, 101.8345

Sweetspot

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



37.7129, 26.8650, 6.6880



75.1748, 73.1236, 62.5858



41.4202, 22.3748, 44.6244



15.5276, 14.8747, 12.1321



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.



37.7129, 26.8650, 6.6880



44.9566, 28.4854, 3.8094



51.1389, 53.7170, 11.1633



14.7195, 15.0530, 15.0342



19.7177, 12.0095, 1.2788



1.5354, 1.0441, 0.1206

Inverse Universe

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



31.2455, 37.8269, 79.0526



35.9536, 42.5868, 100.9329



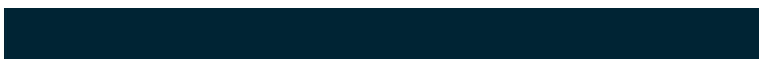
19.3261, 13.9882, 75.0795



14.4319, 15.5852, 18.3919



15.5692, 18.2006, 45.0756



1.2299, 1.5038, 3.3574

Previews

White Background



This preview shows how the XYZ color 37.7123, 26.8635, 6.6875 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 37.7123, 26.8635, 6.6875 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 37.7123, 26.8635, 6.6875

Background



This preview shows how black text looks on a background with the XYZ color 37.7123, 26.8635, 6.6875.



This preview shows how white text looks on a background with the XYZ color 37.7123, 26.8635,

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

37.7123, 26.8635, 6.6875

Protanopia

24.7277, 26.9968, 8.9086

Deuteranopia

27.5172, 26.9902, 6.3441



Tritanopia

39.6965, 26.7873, 16.7139

Trichromacy



Original Color

37.7123, 26.8635, 6.6875

Protanomaly

28.2210, 26.1047, 7.9662

Deuteranomaly

30.5270, 26.3728, 6.3872

Tritanomaly

38.6871, 26.6535, 12.1224

Monochromacy



Original Color

37.7123, 26.8635, 6.6875

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

26.2973, 24.1429, 16.9097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7123, 26.8635, 6.6875 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(228, 105, 54)` looks like.

```
.text, #text, p{  
    color:rgb(228, 105, 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(228, 105, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 105, 54) }
```

Border

The CSS property to change the border of an element to XYZ 37.7123, 26.8635, 6.6875 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(228, 105, 54) }
```


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

```
.border{ border-color:rgb(228, 105, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 105, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 105, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 105, 54);  
box-shadow:4px 4px 4px 4px rgb(228, 105,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7123, 26.8635, 6.6875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 105, 54) }
```

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

```
.background{ background-color: rgb(228,  
105, 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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