

Converting Colors

XYZ(37.7929, 30.5896, 7.7837)

Have a look what the booklet for
XYZ(37.7929, 30.5896, 7.7837)
contains.

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Color

**XYZ(37.8431, 30.6898,
7.8001)**

Conversions

Conversions Part 1

Format	Color
Hex	DC7F39
RGB	220, 127, 57
RGB Percent	86%, 50%, 22%
CMY	0.1373, 0.5019, 0.7765
CMYK	0.00, 0.42, 0.74, 0.14
HSL	26°, 70%, 54%
HSV	26°, 74%, 86%
XYZ	37.8431, 30.6898, 7.8001
YIQ	146.8270, 77.8980, -2.0540

Conversions

Conversions Part 2

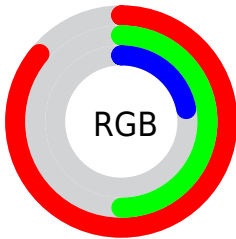
Format	Color
R _Y B	220, 180, 57
Decimal	14450489
CIE Lab	62.24, 30.57, 51.84
CIE LCh	62, 60.185, 59.471
Yxy	30.6898, 0.4958, 0.4021
Android (android.graphics.Color)	4292640569 (0xFFDC7F39)
YUV	146.8270, -44.2847, 64.1727
Hunter-Lab	55.3984, 24.9877, 30.4308

Details

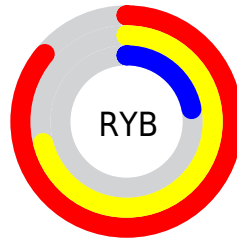
The XYZ color **37.8431, 30.6898, 7.8001** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **25.5112, 27.8483, 71.7404**, and the grayscale version is **27.8172, 29.2658, 31.8705**.

A 20% lighter version of the original color is **60.2680, 54.9852, 21.6241**, and **16.9520, 12.6787, 1.5538** is the 20% darker color. If you saturate the color by 10%, you get **35.8872, 27.4745, 5.0019**, and if you desaturate by 10%, it is **40.2400, 34.4073, 11.9180**.

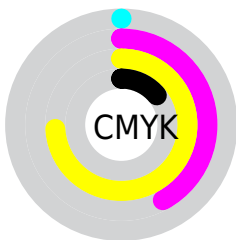
Distribution



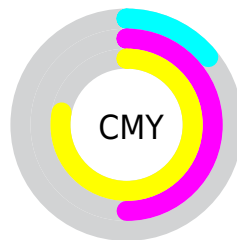
- Red (86%)
- Green (50%)
- Blue (22%)



- Red (86%)
- Yellow (71%)
- Blue (22%)



- Cyan (0%)
- Magenta (42%)
- Yellow (74%)
- Black (14%)





- Cyan (14%)
- Magenta (50%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8431, 30.6898, 7.8001 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 37.8431, 30.6898, 7.8001 by changing the saturation by 10% instead.


 37.8431, 30.6898,
7.8001


 37.8431, 30.6898,
7.8001


328.2389,
305.1067, 184.0313

 26.0376, 20.3628,
3.8814


 71.1730, 60.7514,
22.1053

 16.9846, 12.6590,
1.5605


 93.4282, 81.2547,
33.3288


 10.3187, 7.1942,
0.2624


 119.8973,
105.9188, 47.8244

 5.6747, 3.5838,
0.0000

 150.9456,
135.1283, 66.0105

 2.6871, 1.4436,
0.0000

 186.9386,
169.2674, 88.3057

 0.9905, 0.2485,
0.0000

 228.2416,

 0.0000, 0.0000,

208.7206, 115.1285

0.0000

275.2199,
253.8722, 146.8975

■ 37.8431, 30.6898,
7.8001

■ 37.8431, 30.6898,
7.8001

■ 35.8872, 27.4745,
5.0019

■ 40.2400, 34.4073,
11.9180

■ 34.3296, 24.7285,
3.3446

■ 43.1101, 38.6471,
17.5000

■ 33.5610, 23.3076,
2.7300

■ 46.4843, 43.4337,
24.6732

■ 50.3901, 48.7881,
33.5501

■ 54.8525, 54.7301,
44.2331

■ 59.8950, 61.2787,
56.8164

■ 65.5395, 68.4515,
71.3874

■ 71.8067, 76.2657,
88.0283

■ 78.7159, 84.7374,
106.8149

Harmonies

Analogous

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



44.9867, 30.6898, 15.8889



37.8431, 30.6898, 7.8001



29.3141, 30.6898, 5.6784

Triad

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



37.8431, 30.6898, 7.8001



16.1750, 30.6898, 33.0048



37.5469, 30.6898, 89.4331

Complementary

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



37.8431, 30.6898, 7.8001



25.5112, 27.8483, 71.7404

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.



29.0258, 30.6898, 101.0547



37.8431, 30.6898, 7.8001



17.5771, 30.6898, 60.6019

Square

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



37.8431, 30.6898, 7.8001



17.6801, 30.6898, 15.4572



21.9345, 30.6898, 88.6396



44.7946, 30.6898, 61.6716

Rectangle

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



37.8431, 30.6898, 7.8001



24.2679, 30.6898, 6.4992



21.9345, 30.6898, 88.6396



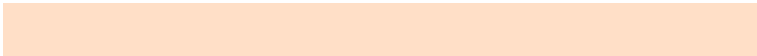
34.6908, 30.6898, 95.8036

Sweetspot

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



37.8438, 30.6914, 7.8007



77.9232, 78.1510, 64.9496



36.6526, 20.4118, 31.7499



16.2879, 16.2144, 12.9434



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.



37.8438, 30.6914, 7.8007



48.8499, 36.1435, 5.5035



52.4252, 59.8543, 12.6611



13.5136, 13.9665, 13.7091



19.8026, 13.8907, 1.6375



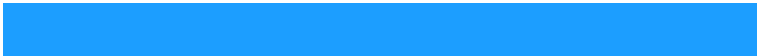
1.3673, 1.0688, 0.1342

Inverse Universe

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



25.5112, 27.8483, 71.7404



30.6769, 31.7610, 99.1214



16.8326, 10.4911, 68.8475



12.9522, 13.8442, 16.6417



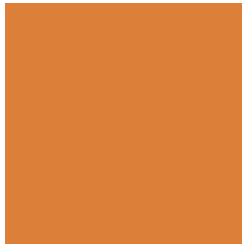
12.0366, 11.9427, 41.4092



0.8647, 0.9436, 2.7110

Previews

White Background



This preview shows how the XYZ color 37.8431, 30.6898, 7.8001 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 37.8431, 30.6898, 7.8001 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 ✓ Pass

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

XYZ 37.8431, 30.6898, 7.8001

Background



This preview shows how black text looks on a background with the XYZ color 37.8431, 30.6898, 7.8001.



This preview shows how white text looks on a background with the XYZ color 37.8431, 30.6898,

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

37.8431, 30.6898, 7.8001

Protanopia

28.1405, 30.8282, 9.3178

Deuteranopia

31.4286, 30.7117, 7.5203



Tritanopia

41.2336, 30.5995, 24.1551

Trichromacy



Original Color

37.8431, 30.6898, 7.8001

Protanomaly

31.0088, 30.2477, 8.6189

Deuteranomaly

33.4309, 30.4370, 7.6030

Tritanomaly

39.7892, 30.5664, 16.3731

Monochromacy



Original Color

37.8431, 30.6898, 7.8001

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.8709, 28.9697, 19.9369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8431, 30.6898, 7.8001 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(220, 127, 57)` looks like.

```
.text, #text, p{  
    color:rgb(220, 127, 57)  
}
```

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(220, 127, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 127, 57) }
```

Border

The CSS property to change the border of an element to XYZ 37.8431, 30.6898, 7.8001 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(220, 127, 57) }
```


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

```
.border{ border-color:rgb(220, 127, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 127, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 127, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 127, 57);  
box-shadow:4px 4px 4px 4px rgb(220, 127,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8431, 30.6898, 7.8001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 127, 57) }
```

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

```
.background{ background-color: rgb(220,  
127, 57) }
```

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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