

Converting Colors

XYZ(37.1037, 31.3149, 6.8851)

Have a look what the booklet for
XYZ(37.1037, 31.3149, 6.8851)
contains.

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Color

**XYZ(37.1037, 31.3149,
6.8851)**

Conversions

Conversions Part 1

Format	Color
Hex	D88430
RGB	216, 132, 48
RGB Percent	85%, 52%, 19%
CMY	0.1529, 0.4823, 0.8118
CMYK	0.00, 0.39, 0.78, 0.15
HSL	30°, 68%, 52%
HSV	30°, 78%, 85%
XYZ	37.1037, 31.3149, 6.8851
YIQ	147.5400, 77.0280, -8.3160

Conversions

Conversions Part 2

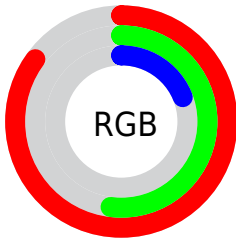
Format	Color
R _Y B	216, 216, 48
Decimal	14189616
CIE Lab	62.77, 25.89, 56.14
CIE LCh	63, 61.816, 65.244
Yxy	31.3149, 0.4927, 0.4158
Android (android.graphics.Color)	4292379696 (0xFFD88430)
YUV	147.5400, -49.0732, 60.0394
Hunter-Lab	55.9597, 20.4237, 31.8770

Details

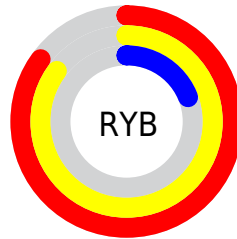
The XYZ color **37.1037, 31.3149, 6.8851** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle muted orange. A complement of this color would be **21.8643, 22.0876, 68.0763**, and the grayscale version is **28.1329, 29.5980, 32.2322**.

A 20% lighter version of the original color is **60.8892, 56.8780, 19.8259**, and **16.7276, 13.1025, 1.6474** is the 20% darker color. If you saturate the color by 10%, you get **35.3723, 28.4004, 4.6185**, and if you desaturate by 10%, it is **39.2050, 34.6227, 10.3453**.

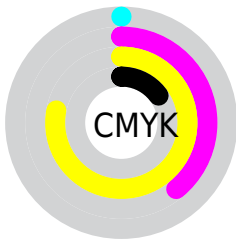
Distribution



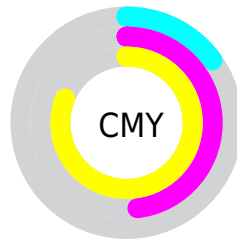
- Red (85%)
- Green (52%)
- Blue (19%)



- Red (85%)
- Yellow (85%)
- Blue (19%)



- Cyan (0%)
- Magenta (39%)
- Yellow (78%)
- Black (15%)





- Cyan (15%)
- Magenta (48%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1037, 31.3149, 6.8851 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 37.1037, 31.3149, 6.8851 by changing the saturation by 10% instead.


 37.1037, 31.3149,
6.8851


 37.1037, 31.3149,
6.8851


325.1070,
307.9864, 176.3001

 25.4618, 20.8388,
3.3130


 70.0450, 61.7355,
20.2506


 16.5520, 13.0062,
1.2566


 92.0752, 82.4488,
30.8811


 10.0089, 7.4328,
0.0258


 118.2989,
107.3432, 44.7014

 5.4672, 3.7342,
0.0000

 149.0814,
136.8031, 62.1302

 2.5615, 1.5260,
0.0000

 184.7881,
171.2131, 83.5859

 0.9263, 0.3069,
0.0000

 225.7844,

 0.0000, 0.0000,

210.9573, 109.4871

0.0000

272.4356,
256.4203, 140.2523

■ 37.1037, 31.3149,
6.8851

■ 37.1037, 31.3149,
6.8851

■ 35.3723, 28.4004,
4.6185

■ 39.2050, 34.6227,
10.3453

■ 33.9651, 25.8494,
3.3372

■ 41.7063, 38.3387,
15.1453

■ 33.6820, 25.3254,
3.1130

■ 44.6362, 42.4825,
21.4119

■ 48.0195, 47.0705,
29.2563

■ 51.8792, 52.1182,
38.7790

■ 56.2360, 57.6399,
50.0721

■ 61.1098, 63.6493,
63.2207

■ 66.5189, 70.1596,
78.3047

■ 72.4808, 77.1831,
95.3991

Harmonies

Analogous

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



45.1127, 31.3149, 13.6690



37.1037, 31.3149, 6.8851



28.3028, 31.3149, 5.5729

Triad

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



37.1037, 31.3149, 6.8851



16.3330, 31.3149, 38.5309



40.1648, 31.3149, 88.0062

Complementary

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



37.1037, 31.3149, 6.8851



21.8643, 22.0876, 68.0763

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.



31.2744, 31.3149, 104.6478



37.1037, 31.3149, 6.8851



18.3634, 31.3149, 68.6368

Square

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



37.1037, 31.3149, 6.8851



17.3076, 31.3149, 18.0800



23.4621, 31.3149, 96.2575



47.1015, 31.3149, 57.5453

Rectangle

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



37.1037, 31.3149, 6.8851



23.3554, 31.3149, 6.9428



23.4621, 31.3149, 96.2575



37.2490, 31.3149, 95.9238

Sweetspot

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



37.1044, 31.3165, 6.8857



78.3523, 79.4786, 63.6450



33.5407, 18.3789, 23.6099



16.2885, 16.3965, 12.3858



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.



37.1044, 31.3165, 6.8857



50.2132, 39.0336, 5.4536



53.4080, 63.9237, 12.3202



12.9311, 13.4365, 13.0727



20.0444, 15.2061, 1.8786



1.2918, 1.0827, 0.1409

Inverse Universe

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



21.8643, 22.0876, 68.0763



27.1597, 25.0733, 98.0159



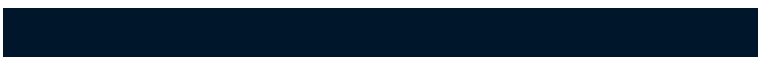
14.6707, 7.7004, 65.6784



12.2504, 13.0243, 15.8058



10.6180, 9.4978, 39.7268



0.7232, 0.7384, 2.4237

Previews

White Background



This preview shows how the XYZ color 37.1037, 31.3149, 6.8851 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 37.1037, 31.3149, 6.8851 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 37.1037, 31.3149, 6.8851

Background



This preview shows how black text looks on a background with the XYZ color 37.1037, 31.3149, 6.8851.



This preview shows how white text looks on a background with the XYZ color 37.1037, 31.3149,

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

37.1037, 31.3149, 6.8851

Protanopia

28.6114, 31.5856, 7.9568

Deuteranopia

32.0473, 31.5016, 6.6768



Tritanopia

41.2601, 31.4809, 26.0921

Trichromacy



Original Color

37.1037, 31.3149, 6.8851

Protanomaly

31.2165, 31.0546, 7.4808

Deuteranomaly

33.6712, 31.2250, 6.7350

Tritanomaly

39.2011, 31.1981, 16.5261

Monochromacy



Original Color

37.1037, 31.3149, 6.8851

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.8312, 29.4001, 19.4317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1037, 31.3149, 6.8851 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(216, 132, 48)` looks like.

```
.text, #text, p{  
    color:rgb(216, 132, 48)  
}
```

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(216, 132, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 132, 48) }
```

Border

The CSS property to change the border of an element to XYZ 37.1037, 31.3149, 6.8851 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(216, 132, 48) }
```


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

```
.border{ border-color:rgb(216, 132, 48) }
```

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

Here you see how a box with a 4 pixel rgb(216, 132, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 132, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 132, 48);  
box-shadow:4px 4px 4px 4px rgb(216, 132,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1037, 31.3149, 6.8851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 132, 48) }
```

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

```
.background{ background-color: rgb(216,  
132, 48) }
```

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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