

Converting Colors

XYZ(31.2180, 27.8170, 3.7239)

Have a look what the booklet for
XYZ(31.2180, 27.8170, 3.7239)
contains.

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Color

**XYZ(31.1390, 27.7063,
3.7066)**

Conversions

Conversions Part 1

Format	Color
Hex	C68100
RGB	198, 129, 0
RGB Percent	78%, 51%, 0%
CMY	0.2235, 0.4941, 1.0000
CMYK	0.00, 0.35, 1.00, 0.22
HSL	39°, 100%, 39%
HSV	39°, 100%, 78%
XYZ	31.1390, 27.7063, 3.7066
YIQ	134.9250, 82.5330, -25.4910

Conversions

Conversions Part 2

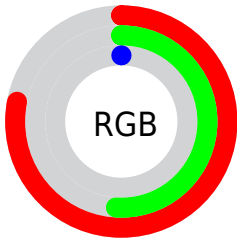
Format	Color
R _Y B	106, 198, 0
Decimal	13009152
CIE Lab	59.62, 18.73, 65.56
CIE LCh	60, 68.187, 74.058
Yxy	27.7063, 0.4978, 0.4429
Android (android.graphics.Color)	4291199232 (0xFFC68100)
YUV	134.9250, -66.5180, 55.3168
Hunter-Lab	52.6368, 13.4831, 32.6706

Details

The XYZ color **31.1390, 27.7063, 3.7066** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **12.3213, 8.3337, 54.3849**, and the grayscale version is **23.2199, 24.4292, 26.6034**.

A 20% lighter version of the original color is **59.0734, 55.1581, 13.3274**, and **13.3499, 11.1406, 1.4467** is the 20% darker color. If you saturate the color by 10%, you get **31.1392, 27.7070, 3.7068**, and if you desaturate by 10%, it is **32.2040, 29.6372, 4.6761**.

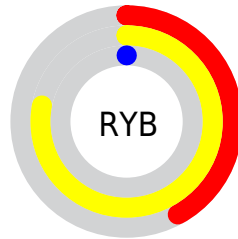
Distribution



Red (78%)

Green (51%)

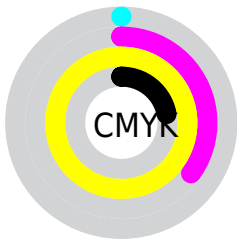
Blue (0%)



Red (42%)

Yellow (78%)

Blue (0%)

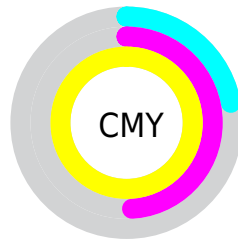


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1390, 27.7063, 3.7066 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 31.1390, 27.7063, 3.7066 by changing the saturation by 10% instead.

■ 31.1390, 27.7063,
3.7066

■ 31.1390, 27.7063,
3.7066

298.9936,
291.0608, 144.9062

■ 20.8571, 18.1044,
1.4658

■ 60.8332, 56.0152,
13.3272

■ 13.1314, 11.0250,
0.1923

■ 80.9762, 75.4910,
21.5442

■ 7.5967, 6.0836,
0.0000

■ 105.1369, 99.0268,
32.5902

■ 3.8876, 2.8960,
0.0000

■ 133.6806,
127.0071, 46.8839

■ 1.6388, 1.0777,
0.0000

■ 166.9729,
159.8163, 64.8438


■ 0.4175, 0.0000,
0.0000


■ 205.3789,


■ 0.0000, 0.0000,


197.8387, 86.8885


0.0000


 249.2640,
241.4587, 113.4364


 31.1390, 27.7063,
3.7066


 31.1390, 27.7063,
3.7066


 31.1392, 27.7070,
3.7068

 32.2040, 29.6372,
4.6761

 33.4581, 31.7427,
6.3362

 34.9479, 34.0443,
8.9226

 36.6975, 36.5535,
12.5582

 38.7279, 39.2804,
17.3469

■ 41.0573, 42.2340,
23.3802

■ 43.7022, 45.4225,
30.7400

■ 46.6779, 48.8537,
39.5014

■ 49.9984, 52.5347,
49.7337

Harmonies

Analogous

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



40.0853, 27.7063, 7.7730



31.1390, 27.7063, 3.7066



22.5202, 27.7063, 3.6079

Triad

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



31.1390, 27.7063, 3.7066



13.3357, 27.7063, 43.1865



39.5790, 27.7063, 78.5652

Complementary

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



31.1390, 27.7063, 3.7066



12.3213, 8.3337, 54.3849

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.



30.5558, 27.7063, 103.3110



31.1390, 27.7063, 3.7066



16.1535, 27.7063, 76.5006

Square

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



31.1390, 27.7063, 3.7066



13.4253, 27.7063, 18.9455



22.0506, 27.7063, 102.3986



45.6354, 27.7063, 45.1241

Rectangle

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



31.1390, 27.7063, 3.7066



18.1206, 27.7063, 5.4913



22.0506, 27.7063, 102.3986



36.7159, 27.7063, 88.8220

Sweetspot

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



31.1396, 27.7077, 3.7071



77.1638, 80.1698, 53.7905



24.3723, 12.4393, 6.7964



16.0746, 16.6331, 10.2664



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.



31.1396, 27.7077, 3.7071



54.9018, 48.5836, 6.4839



36.4065, 48.7458, 7.4903



11.2008, 11.7708, 11.2444



20.3334, 18.1839, 2.4382



1.0287, 0.9929, 0.1374

Inverse Universe

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



12.3213, 8.3337, 54.3849



21.6107, 14.3414, 96.2369



10.7200, 4.3490, 53.7002



10.3539, 10.8819, 13.4722



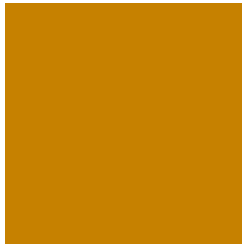
8.0855, 5.5649, 35.3923



0.4507, 0.3993, 1.6985

Previews

White Background



This preview shows how the XYZ color 31.1390, 27.7063, 3.7066 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 31.1390, 27.7063, 3.7066 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 31.1390, 27.7063, 3.7066

Background



This preview shows how black text looks on a background with the XYZ color 31.1390, 27.7063, 3.7066.



This preview shows how white text looks on a background with the XYZ color 31.1390, 27.7063,

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

31.1390, 27.7063, 3.7066

Protanopia

25.1568, 27.7648, 4.4487

Deuteranopia

28.2371, 27.8364, 3.8847



Tritanopia

35.3075, 27.7144, 24.2574

Trichromacy



Original Color

31.1390, 27.7063, 3.7066

Protanomaly

27.1864, 27.7151, 4.1751

Deuteranomaly

29.2641, 27.7416, 3.8123

Tritanomaly

32.6933, 27.1926, 11.5082

Monochromacy



Original Color

31.1390, 27.7063, 3.7066

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.1678, 24.7160, 12.3010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1390, 27.7063, 3.7066 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(198, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 129, 0)  
}
```

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(198, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 129, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.1390, 27.7063, 3.7066 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(198, 129, 0) }
```


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

```
.border{ border-color:rgb(198, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 129,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1390, 27.7063, 3.7066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 129, 0) }
```

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

```
.background{ background-color: rgb(198,  
129, 0) }
```

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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