

Converting Colors

XYZ(31.2318, 27.8297, 0.7989)

Have a look what the booklet for
XYZ(31.2318, 27.8297, 0.7989)
contains.

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Color

**XYZ(31.6697, 27.9799,
3.7315)**

Conversions

Conversions Part 1

Format	Color
Hex	C88100
RGB	200, 129, 0
RGB Percent	78%, 51%, 0%
CMY	0.2157, 0.4941, 1.0000
CMYK	0.00, 0.35, 1.00, 0.22
HSL	39°, 100%, 39%
HSV	39°, 100%, 78%
XYZ	31.6697, 27.9799, 3.7315
YIQ	135.5230, 83.7250, -25.0670

Conversions

Conversions Part 2

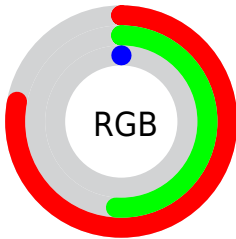
Format	Color
R_{YB}	110, 200, 0
Decimal	13140224
CIE Lab	59.87, 19.61, 65.85
CIE LCh	60, 68.704, 73.419
Yxy	27.9799, 0.4997, 0.4415
Android (android.graphics.Color)	4291330304 (0xFFC88100)
YUV	135.5230, -66.8128, 56.5463
Hunter-Lab	52.8960, 14.3028, 32.8447

Details

The XYZ color **31.6697, 27.9799, 3.7315** 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 **12.6788, 8.6771, 55.6498**, and the grayscale version is **23.4443, 24.6652, 26.8604**.

A 20% lighter version of the original color is **59.0734, 55.1581, 13.3274**, and **13.6839, 11.3128, 1.4624** is the 20% darker color. If you saturate the color by 10%, you get **31.6698, 27.9804, 3.7316**, and if you desaturate by 10%, it is **32.7646, 29.9679, 4.7198**.

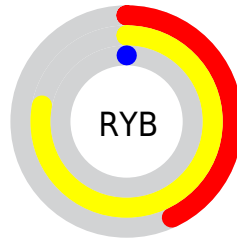
Distribution



Red (78%)

Green (51%)

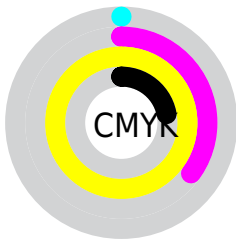
Blue (0%)



Red (43%)

Yellow (78%)

Blue (0%)

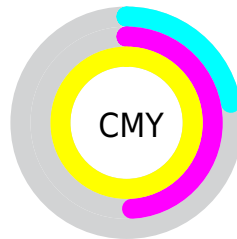


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6697, 27.9799, 3.7315 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 31.6697, 27.9799, 3.7315 by changing the saturation by 10% instead.


 31.6697, 27.9799,
3.7315

 31.6697, 27.9799,
3.7315


301.3840,
292.3709, 145.1925


 21.2637, 18.3105,
1.4792


 61.6616, 56.4524,
13.3856


 13.4304, 11.1731,
0.2024


 81.9782, 76.0242,
21.6246

 7.8046, 6.1834,
0.0000


 106.3290, 99.6657,
32.6961

 4.0209, 2.9569,
0.0000

 135.0794,
127.7611, 47.0189

 1.7140, 1.1093,
0.0000

 168.5948,
160.6950, 65.0114

 0.4650, 0.0000,
0.0000

 207.2404,

 0.0000, 0.0000,

198.8516, 87.0921

0.0000

251.3817,
242.6154, 113.6797

31.6697, 27.9799,
3.7315

31.6697, 27.9799,
3.7315

31.6698, 27.9804,
3.7316

32.7646, 29.9679,
4.7198

34.0557, 32.1391,
6.4169

35.5902, 34.5158,
9.0627

37.3931, 37.1097,
12.7833

39.4858, 39.9313,
17.6854

■ 41.8872, 42.9901,
23.8625

■ 44.6143, 46.2946,
31.3989

■ 47.6827, 49.8527,
40.3713

■ 51.1069, 53.6720,
50.8510

Harmonies

Analogous

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



40.7208, 27.9799, 7.9490



31.6697, 27.9799, 3.7315



22.8908, 27.9799, 3.5650

Triad

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



31.6697, 27.9799, 3.7315



13.3952, 27.9799, 43.0184



39.8581, 27.9799, 80.3248

Complementary

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



31.6697, 27.9799, 3.7315



12.6788, 8.6771, 55.6498

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.



30.6766, 27.9799, 105.0740



31.6697, 27.9799, 3.7315



16.1829, 27.9799, 76.8030

Square

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



31.6697, 27.9799, 3.7315



13.5473, 27.9799, 18.7174



22.0919, 27.9799, 103.5168



46.1099, 27.9799, 46.3197

Rectangle

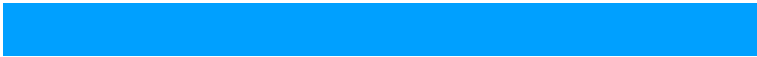
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.6697, 27.9799, 3.7315



18.3896, 27.9799, 5.3967



22.0919, 27.9799, 103.5168



36.9348, 27.9799, 90.6626

Sweetspot

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



31.6703, 27.9813, 3.7320



77.0266, 79.8953, 53.7448



25.0332, 12.7650, 7.5070



16.0418, 16.5676, 10.2554



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.



31.6703, 27.9813, 3.7320



54.6013, 47.9825, 6.3838



37.9617, 50.2306, 7.6950



11.1949, 11.7589, 11.2424



20.2240, 17.9651, 2.4017



1.0241, 0.9836, 0.1359

Inverse Universe

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



12.6788, 8.6771, 55.6498



21.7503, 14.6206, 96.2834



10.8688, 4.3989, 54.9194



10.3596, 10.8933, 13.4741



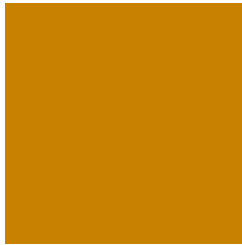
8.1385, 5.6710, 35.4100



0.4537, 0.4051, 1.6994

Previews

White Background



This preview shows how the XYZ color 31.6697, 27.9799, 3.7315 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 31.6697, 27.9799, 3.7315 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 31.6697, 27.9799, 3.7315

Background



This preview shows how black text looks on a background with the XYZ color 31.6697, 27.9799, 3.7315.



This preview shows how white text looks on a background with the XYZ color 31.6697, 27.9799,

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

31.6697, 27.9799, 3.7315

Protanopia

25.3089, 28.0690, 4.4994

Deuteranopia

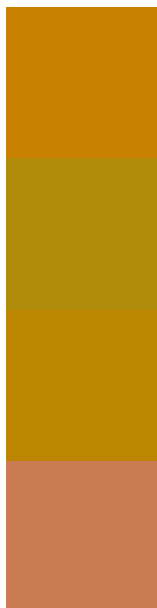
28.4741, 27.9586, 3.8958



Tritanopia

35.8558, 27.9971, 24.2830

Trichromacy



Original Color

31.6697, 27.9799, 3.7315

Protanomaly

27.1864, 27.7151, 4.1751

Deuteranomaly

29.5114, 27.8690, 3.8238

Tritanomaly

33.2346, 27.4716, 11.5335

Monochromacy



Original Color

31.6697, 27.9799, 3.7315

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.4059, 24.8341, 12.5240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6697, 27.9799, 3.7315 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(200, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 129, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.6697, 27.9799, 3.7315 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(200, 129, 0) }
```


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

```
.border{ border-color:rgb(200, 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(200, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 129,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6697, 27.9799, 3.7315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 129, 0) }
```

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

```
.background{ background-color: rgb(200,  
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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