

Converting Colors

XYZ(31.2853, 27.2111, 3.6034)

Have a look what the booklet for
XYZ(31.2853, 27.2111, 3.6034)
contains.

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Color

**XYZ(31.2803, 27.2011,
3.6017)**

Conversions

Conversions Part 1

Format	Color
Hex	C87E00
RGB	200, 126, 0
RGB Percent	78%, 49%, 0%
CMY	0.2157, 0.5059, 1.0000
CMYK	0.00, 0.37, 1.00, 0.22
HSL	38°, 100%, 39%
HSV	38°, 100%, 78%
XYZ	31.2803, 27.2011, 3.6017
YIQ	133.7620, 84.5500, -23.4980

Conversions

Conversions Part 2

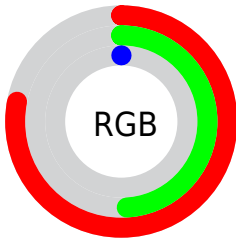
Format	Color
R_{YB}	117, 200, 0
Decimal	13139456
CIE _{Lab}	59.16, 21.24, 65.38
CIE _{LCh}	59, 68.749, 72.002
Yxy	27.2011, 0.5038, 0.4381
Android (android.graphics.Color)	4291329536 (0xFFC87E00)
YUV	133.7620, -65.9447, 58.0907
Hunter-Lab	52.1547, 15.7865, 32.4138

Details

The XYZ color **31.2803, 27.2011, 3.6017** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **12.8743, 9.0681, 55.7149**, and the grayscale version is **22.7864, 23.9731, 26.1067**.

A 20% lighter version of the original color is **58.4343, 53.9299, 12.9599**, and **13.4691, 10.8832, 1.3908** is the 20% darker color. If you saturate the color by 10%, you get **31.2804, 27.2016, 3.6018**, and if you desaturate by 10%, it is **32.3888, 29.2162, 4.5945**.

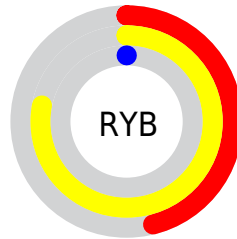
Distribution



Red (78%)

Green (49%)

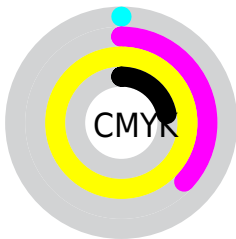
Blue (0%)



Red (46%)

Yellow (78%)

Blue (0%)

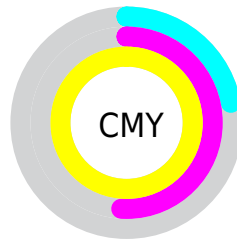


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2803, 27.2011, 3.6017 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 31.2803, 27.2011, 3.6017 by changing the saturation by 10% instead.

■ 31.2803, 27.2011,
3.6017

■ 31.2803, 27.2011,
3.6017

299.6315,
288.6295, 143.6897

■ 20.9653, 17.7243,
1.4095

■ 61.0540, 55.2064,
13.0802

■ 13.2109, 10.7522,
0.1491

■ 81.2433, 74.5037,
21.2036

■ 7.6519, 5.9005,
0.0000

■ 105.4547, 97.8433,
32.1411

■ 3.9230, 2.7847,
0.0000

■ 134.0537,
125.6096, 46.3113

■ 1.6587, 1.0204,
0.0000

■ 167.4055,
158.1869, 64.1327


■ 0.4302, 0.0000,
0.0000


■ 205.8754,


■ 0.0000, 0.0000,


195.9598, 86.0239


0.0000


 249.8290,
239.3125, 112.4034


 31.2803, 27.2011,
3.6017


 31.2803, 27.2011,
3.6017


 31.2804, 27.2016,
3.6018

 32.3888, 29.2162,
4.5945

 33.6986, 31.4249,
6.2978

 35.2572, 33.8498,
8.9516

 37.0898, 36.5031,
12.6821

 39.2179, 39.3955,
17.5960

■ 41.6605, 42.5367,
23.7868

■ 44.4349, 45.9357,
31.3389

■ 47.5567, 49.6007,
40.3292

■ 51.0407, 53.5396,
50.8287

Harmonies

Analogous

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



40.1154, 27.2011, 7.9473



31.2803, 27.2011, 3.6017



22.5800, 27.2011, 3.2974

Triad

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



31.2803, 27.2011, 3.6017



12.8649, 27.2011, 40.5406



38.5057, 27.2011, 80.2721

Complementary

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



31.2803, 27.2011, 3.6017



12.8743, 9.0681, 55.7149

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.



29.4297, 27.2011, 103.7907



31.2803, 27.2011, 3.6017



15.4500, 27.2011, 73.6830

Square

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



31.2803, 27.2011, 3.6017



13.1467, 27.2011, 17.3094



21.0943, 27.2011, 100.8740



44.8797, 27.2011, 46.7005

Rectangle

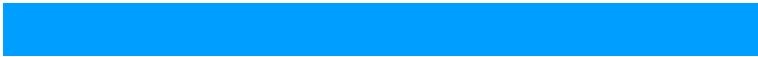
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.2803, 27.2011, 3.6017



18.0754, 27.2011, 4.9302



21.0943, 27.2011, 100.8740



35.5941, 27.2011, 90.2739

Sweetspot

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



31.2809, 27.2025, 3.6022



76.7122, 79.2665, 53.6400



25.1473, 12.8107, 8.1079



15.9668, 16.4175, 10.2304



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.



31.2809, 27.2025, 3.6022



53.9244, 46.6289, 6.1581



38.7099, 50.6163, 7.7300



11.1813, 11.7318, 11.2379



19.9774, 17.4721, 2.3195



1.0135, 0.9625, 0.1324

Inverse Universe

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



12.8743, 9.0681, 55.7149



22.0836, 15.2871, 96.3945



10.7866, 4.3565, 54.9155



10.3727, 10.9195, 13.4785



8.2647, 5.9234, 35.4521



0.4605, 0.4188, 1.7017

Previews

White Background



This preview shows how the XYZ color 31.2803, 27.2011, 3.6017 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 31.2803, 27.2011, 3.6017 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 31.2803, 27.2011, 3.6017

Background



This preview shows how black text looks on a background with the XYZ color 31.2803, 27.2011, 3.6017.



This preview shows how white text looks on a background with the XYZ color 31.2803, 27.2011,

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

31.2803, 27.2011, 3.6017

Protanopia

24.5997, 27.2537, 4.3794

Deuteranopia

27.8602, 27.4321, 3.8265



Tritanopia

35.3040, 27.2081, 23.1296

Trichromacy



Original Color

31.2803, 27.2011, 3.6017

Protanomaly

26.6742, 27.0250, 4.0689

Deuteranomaly

28.9903, 27.1939, 3.7210

Tritanomaly

32.7930, 26.7086, 11.0163

Monochromacy



Original Color

31.2803, 27.2011, 3.6017

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.8565, 24.1576, 11.9998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2803, 27.2011, 3.6017 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, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(200, 126, 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, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 126, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.2803, 27.2011, 3.6017 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, 126, 0) }
```


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

```
.border{ border-color:rgb(200, 126, 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, 126, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 126,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2803, 27.2011, 3.6017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 126, 0) }
```

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

```
.background{ background-color: rgb(200,  
126, 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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