

Converting Colors

XYZ(31.8517, 27.4955, 7.3332)

Have a look what the booklet for
XYZ(31.8517, 27.4955, 7.3332)
contains.

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Color

**XYZ(31.7279, 27.3493,
7.3481)**

Conversions

Conversions Part 1

Format	Color
Hex	C77E38
RGB	199, 126, 56
RGB Percent	78%, 49%, 22%
CMY	0.2196, 0.5059, 0.7804
CMYK	0.00, 0.37, 0.72, 0.22
HSL	29°, 56%, 50%
HSV	29°, 72%, 78%
XYZ	31.7279, 27.3493, 7.3481
YIQ	139.8470, 65.9780, -6.2940

Conversions

Conversions Part 2

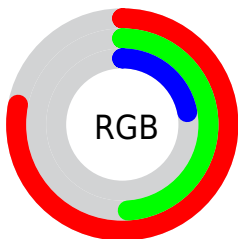
Format	Color
RYB	199, 193, 56
Decimal	13073976
CIELab	59.30, 22.29, 48.39
CIELCh	59, 53.282, 65.266
Yxy	27.3493, 0.4776, 0.4117
Android (android.graphics.Color)	4291264056 (0xFFC77E38)
YUV	139.8470, -41.3366, 51.8772
Hunter-Lab	52.2966, 16.7755, 28.2769

Details

The XYZ color **31.7279, 27.3493, 7.3481** 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 **19.7896, 20.6640, 56.9782**, and the grayscale version is **25.0060, 26.3082, 28.6497**.

A 20% lighter version of the original color is **59.9616, 54.5408, 21.0028**, and **13.4746, 10.8854, 1.4196** is the 20% darker color. If you saturate the color by 10%, you get **30.1009, 24.7257, 4.8633**, and if you desaturate by 10%, it is **33.6814, 30.3169, 10.8962**.

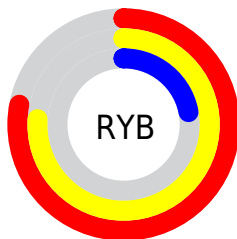
Distribution



Red (78%)

Green (49%)

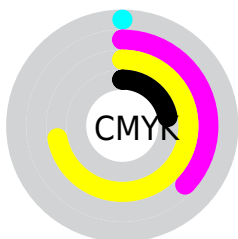
Blue (22%)



Red (78%)

Yellow (76%)

Blue (22%)

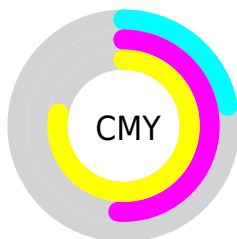


Cyan (0%)

Magenta (37%)

Yellow (72%)

Black (22%)



Cyan (22%)


Magenta (51%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7279, 27.3493, 7.3481 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 31.7279, 27.3493, 7.3481 by changing the saturation by 10% instead.


 31.7279, 27.3493,
7.3481


 31.7279, 27.3493,
7.3481

301.6452,
289.3444, 180.2648


 21.3083, 17.8357,
3.5990


 61.7524, 55.4439,
21.1948

 13.4633, 10.8321,
1.4080


 82.0879, 74.7937,
32.1295

 7.8275, 5.9541,
0.1480


 106.4595, 98.1910,
46.2965

 4.0357, 2.8172,
0.0000

 135.2325,
126.0202, 64.1144

 1.7223, 1.0370,
0.0000

 168.7722,
158.6658, 86.0016

 0.4702, 0.0000,
0.0000

 207.4440,

 0.0000, 0.0000,

196.5121, 112.3767

0.0000

251.6132,
239.9435, 143.6583

■ 31.7279, 27.3493,
7.3481

■ 31.7279, 27.3493,
7.3481

■ 30.1009, 24.7257,
4.8633

■ 33.6814, 30.3169,
10.8962

■ 28.7702, 22.4242,
3.3101

■ 35.9839, 33.6400,
15.6153

■ 27.8666, 20.7690,
2.5401

■ 38.6573, 37.3344,
21.6011

■ 41.7213, 41.4133,
28.9392

■ 45.1937, 45.8893,
37.7075

■ 49.0911, 50.7742,
47.9778

■ 53.4294, 56.0794,
59.8174

■ 58.2232, 61.8155,
73.2891

■ 63.4867, 67.9930,
88.4524

Harmonies

Analogous

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



37.9117, 27.3493, 13.2292



31.7279, 27.3493, 7.3481



24.8373, 27.3493, 6.1565

Triad

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



31.7279, 27.3493, 7.3481



15.2165, 27.3493, 33.2721



34.1094, 27.3493, 70.8690

Complementary

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



31.7279, 27.3493, 7.3481



19.7896, 20.6640, 56.9782

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.



27.1875, 27.3493, 83.2452



31.7279, 27.3493, 7.3481



16.8800, 27.3493, 56.3615

Square

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



31.7279, 27.3493, 7.3481



16.0142, 27.3493, 16.9210



20.9974, 27.3493, 77.0380



39.4430, 27.3493, 47.9056

Rectangle

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



31.7279, 27.3493, 7.3481



20.9042, 27.3493, 7.4048



20.9974, 27.3493, 77.0380



31.8510, 27.3493, 76.7675

Sweetspot

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



31.7285, 27.3507, 7.3486



78.8324, 79.9694, 65.2527



28.9889, 16.5792, 22.7506



16.5017, 16.6420, 13.0147



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.



31.7285, 27.3507, 7.3486



51.3848, 41.0474, 6.8598



44.1463, 52.1862, 11.4879



11.0553, 11.4798, 11.1959



18.0061, 13.5293, 1.6624



0.9250, 0.7855, 0.1029

Inverse Universe

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



19.7896, 20.6640, 56.9782



29.3012, 28.6579, 98.5949



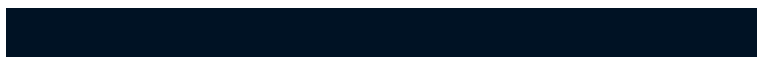
13.4724, 8.0295, 54.8725



10.4968, 11.1676, 13.5198



9.7456, 8.8851, 35.9457



0.5338, 0.5654, 1.7261

Previews

White Background



This preview shows how the XYZ color 31.7279, 27.3493, 7.3481 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 31.7279, 27.3493, 7.3481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

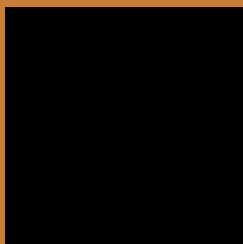
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7279, 27.3493, 7.3481

Background



This preview shows how black text looks on a background with the XYZ color 31.7279, 27.3493, 7.3481.



This preview shows how white text looks on a background with the XYZ color 31.7279, 27.3493,

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

31.7279, 27.3493, 7.3481

Protanopia

24.9628, 27.3528, 8.3788

Deuteranopia

28.0372, 27.4491, 7.1886



Tritanopia

34.9378, 27.1857, 23.4846

Trichromacy



Original Color

31.7279, 27.3493, 7.3481

Protanomaly

27.1906, 27.2058, 7.9558

Deuteranomaly

29.1668, 27.2080, 7.2044

Tritanomaly

33.5435, 27.1709, 15.7885

Monochromacy



Original Color

31.7279, 27.3493, 7.3481

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.1222, 26.0091, 18.1115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7279, 27.3493, 7.3481 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(199, 126, 56)` looks like.

```
.text, #text, p{  
    color:rgb(199, 126, 56)  
}
```

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(199, 126, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 126, 56) }
```

Border

The CSS property to change the border of an element to XYZ 31.7279, 27.3493, 7.3481 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(199, 126, 56) }
```


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

```
.border{ border-color:rgb(199, 126, 56) }
```

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

Here you see how a box with a 4 pixel rgb(199, 126, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 126, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 126, 56);  
box-shadow:4px 4px 4px 4px rgb(199, 126,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7279, 27.3493, 7.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 126, 56) }
```

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

```
.background{ background-color: rgb(199,  
126, 56) }
```

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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