

Converting Colors

XYZ(31.5880, 27.7381, 5.2407)

Have a look what the booklet for
XYZ(31.5880, 27.7381, 5.2407)
contains.

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Color

**XYZ(31.5757, 27.7018,
5.2729)**

Conversions

Conversions Part 1

Format	Color
Hex	C78023
RGB	199, 128, 35
RGB Percent	78%, 50%, 14%
CMY	0.2196, 0.4980, 0.8627
CMYK	0.00, 0.36, 0.82, 0.22
HSL	34°, 70%, 46%
HSV	34°, 82%, 78%
XYZ	31.5757, 27.7018, 5.2729
YIQ	138.6270, 72.1690, -13.8710

Conversions

Conversions Part 2

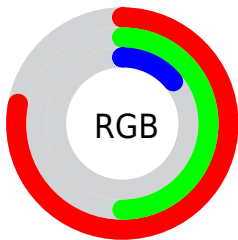
Format	Color
RYB	160, 199, 35
Decimal	13074467
CIELab	59.62, 20.35, 57.48
CIELCh	60, 60.973, 70.503
Yxy	27.7018, 0.4892, 0.4291
Android (android.graphics.Color)	4291264547 (0xFFC78023)
YUV	138.6270, -51.0881, 52.9471
Hunter-Lab	52.6325, 14.9802, 30.9029

Details

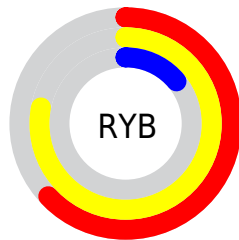
The XYZ color **31.5757, 27.7018, 5.2729** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **16.1557, 14.7884, 56.0353**, and the grayscale version is **24.5686, 25.8481, 28.1486**.

A 20% lighter version of the original color is **59.5253, 55.0123, 16.7136**, and **13.6112, 11.1674, 1.4381** is the 20% darker color. If you saturate the color by 10%, you get **30.2834, 25.4637, 3.7747**, and if you desaturate by 10%, it is **33.1320, 30.2005, 7.6854**.

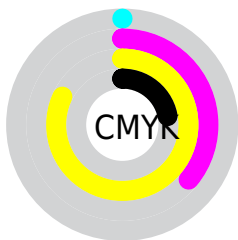
Distribution



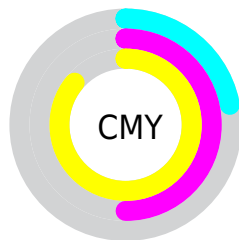
- Red (78%)
- Green (50%)
- Blue (14%)



- Red (63%)
- Yellow (78%)
- Blue (14%)



- Cyan (0%)
- Magenta (36%)
- Yellow (82%)
- Black (22%)



- Cyan (22%)
- Magenta (50%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5757, 27.7018, 5.2729 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 31.5757, 27.7018, 5.2729 by changing the saturation by 10% instead.

■ 31.5757, 27.7018,
5.2729

■ 31.5757, 27.7018,
5.2729

300.9616,
291.0392, 161.4683

■ 21.1916, 18.1010,
2.3467

■ 61.5150, 56.0080,
16.8528

■ 13.3774, 11.0225,
0.7572

■ 81.8009, 75.4822,
26.3436

■ 7.7677, 6.0820,
0.0000

■ 106.1182, 99.0163,
38.8597

■ 3.9972, 2.8950,
0.0000

■ 134.8321,
126.9947, 54.8196

■ 1.7006, 1.0772,
0.0000

■ 168.3081,
159.8018, 74.6419

■ 0.4566, 0.0000,
0.0000

■ 206.9114,

■ 0.0000, 0.0000,

197.8220, 98.7451

0.0000

251.0074,
241.4397, 127.5477

■ 31.5757, 27.7018,
5.2729

■ 31.5757, 27.7018,
5.2729

■ 30.2834, 25.4637,
3.7747

■ 33.1320, 30.2005,
7.6854

■ 29.4417, 23.9194,
3.0652

■ 34.9776, 32.9700,
11.1418

■ 37.1359, 36.0245,
15.7521

■ 39.6270, 39.3753,
21.6119

■ 42.4691, 43.0330,
28.8066

■ 45.6788, 47.0075,
37.4141

■ 49.2717, 51.3082,
47.5061

■ 53.2622, 55.9437,
59.1497

■ 57.6639, 60.9226,
72.4074

Harmonies

Analogous

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



39.2391, 27.7018, 10.1806



31.5757, 27.7018, 5.2729



23.7270, 27.7018, 4.7540

Triad

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



31.5757, 27.7018, 5.2729



14.3095, 27.7018, 38.5530



37.1400, 27.7018, 75.1386

Complementary

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



31.5757, 27.7018, 5.2729



16.1557, 14.7884, 56.0353

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.



29.1162, 27.7018, 93.8375



31.5757, 27.7018, 5.2729



16.6166, 27.7018, 66.8415

Square

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



31.5757, 27.7018, 5.2729



14.7126, 27.7018, 18.1285



21.6996, 27.7018, 90.2248



42.8594, 27.7018, 46.6057

Rectangle

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



31.5757, 27.7018, 5.2729



19.5191, 27.7018, 6.4197



21.6996, 27.7018, 90.2248



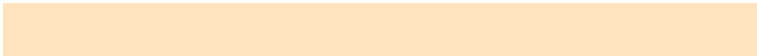
34.5647, 27.7018, 83.2891

Sweetspot

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



31.5763, 27.7032, 5.2734



78.2509, 80.1913, 60.7888



26.7592, 14.3863, 15.0208



16.3188, 16.6321, 11.8566



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.



31.5763, 27.7032, 5.2734



51.4889, 41.7355, 5.4152



41.4820, 51.6676, 9.3769



11.1246, 11.6184, 11.2190



19.0203, 15.5578, 2.0005



0.9716, 0.8787, 0.1184

Inverse Universe

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



16.1557, 14.7884, 56.0353



23.8579, 18.7885, 96.9768



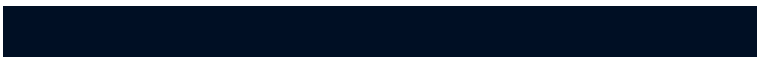
12.0337, 5.9051, 54.5379



10.4280, 11.0301, 13.4969



8.8598, 7.1135, 35.6504



0.4912, 0.4802, 1.7119

Previews

White Background



This preview shows how the XYZ color 31.5757, 27.7018, 5.2729 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 31.5757, 27.7018, 5.2729 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 31.5757, 27.7018, 5.2729

Background



This preview shows how black text looks on a background with the XYZ color 31.5757, 27.7018, 5.2729.



This preview shows how white text looks on a background with the XYZ color 31.5757, 27.7018,

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

31.5757, 27.7018, 5.2729

Protanopia

25.2398, 27.7744, 5.9502

Deuteranopia

28.2490, 27.8140, 5.1761



Tritanopia

35.3949, 27.5895, 23.8819

Trichromacy



Original Color

31.5757, 27.7018, 5.2729

Protanomaly

27.1175, 27.4309, 5.6992

Deuteranomaly

29.5248, 27.8458, 5.1852

Tritanomaly

33.3370, 27.2838, 14.0989

Monochromacy



Original Color

31.5757, 27.7018, 5.2729

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.7109, 25.8446, 15.9453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5757, 27.7018, 5.2729 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, 128, 35)` looks like.

```
.text, #text, p{  
    color:rgb(199, 128, 35)  
}
```

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, 128, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 128, 35) }
```

Border

The CSS property to change the border of an element to XYZ 31.5757, 27.7018, 5.2729 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, 128, 35) }
```


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

```
.border{ border-color:rgb(199, 128, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 128, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 128, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 128, 35);  
box-shadow:4px 4px 4px 4px rgb(199, 128,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5757, 27.7018, 5.2729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 128, 35) }
```

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

```
.background{ background-color: rgb(199,  
128, 35) }
```

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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