

Converting Colors

XYZ(27.7899, 31.5014, 22.9747)

Have a look what the booklet for
XYZ(27.7899, 31.5014, 22.9747)
contains.

XYZ(27.7957, 31.5716, 23.0413)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.7957, 31.5716,
23.0413)**

Conversions

Conversions Part 1

Format	Color
Hex	959C7A
RGB	149, 156, 122
RGB Percent	58%, 61%, 48%
CMY	0.4157, 0.3882, 0.5216
CMYK	0.04, 0.00, 0.22, 0.39
HSL	72°, 15%, 55%
HSV	72°, 22%, 61%
XYZ	27.7957, 31.5716, 23.0413
YIQ	150.0310, 6.7420, -12.0580

Conversions

Conversions Part 2

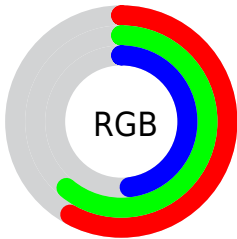
Format	Color
RYB	122, 156, 129
Decimal	9804922
CIELab	62.99, -8.58, 17.00
CIELCh	63, 19.045, 116.779
Yxy	31.5716, 0.3373, 0.3831
Android (android.graphics.Color)	4287995002 (0xFF959C7A)
YUV	150.0310, -13.8193, -0.9042
Hunter-Lab	56.1886, -10.0287, 15.0189

Details

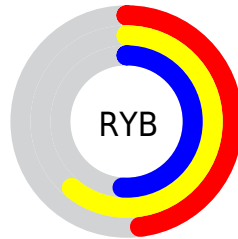
The XYZ color **27.7957, 31.5716, 23.0413** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.0148, 20.9874, 34.3449**, and the grayscale version is **29.0580, 30.5713, 33.2921**.

A 20% lighter version of the original color is **55.4131, 61.8848, 49.5818**, and **11.2912, 13.1809, 8.2524** is the 20% darker color. If you saturate the color by 10%, you get **26.3278, 30.9187, 18.3256**, and if you desaturate by 10%, it is **29.4367, 32.2977, 28.5765**.

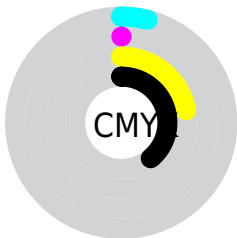
Distribution



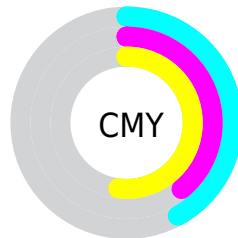
- Red (58%)
- Green (61%)
- Blue (48%)



- Red (48%)
- Yellow (61%)
- Blue (51%)



- Cyan (4%)
- Magenta (0%)
- Yellow (22%)
- Black (39%)



- Cyan (42%)
- Magenta (39%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7957, 31.5716, 23.0413 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 27.7957, 31.5716, 23.0413 by changing the saturation by 10% instead.

■ 27.7957, 31.5716,
23.0413

■ 27.7957, 31.5716,
23.0413

283.5872,
309.1631, 281.0658

■ 18.3114, 21.0345,
14.4184

■ 55.5690, 62.1389,
49.3852

■ 11.2748, 13.1492,
8.2702

■ 74.5887, 82.9379,
67.9433

■ 6.3206, 7.5314,
4.1781

■ 97.5176, 107.9262,
90.6502

■ 3.0835, 3.7966,
1.7235

124.7211,
137.4884, 117.9244

■ 1.1981, 1.5604,
0.3768

156.5644,
172.0088, 150.1846

■ 0.1049, 0.3307,
0.0000

193.4129,

■ 0.0000, 0.0000,

211.8718, 187.8492

0.0000

235.6321,
257.4617, 231.3368

■ 27.7957, 31.5716,
23.0413

■ 27.7957, 31.5716,
23.0413

■ 26.3278, 30.9187,
18.3256

■ 29.4367, 32.2977,
28.5765

■ 25.0229, 30.3318,
14.3883

■ 31.2552, 33.0957,
34.9654

■ 23.8737, 29.8090,
11.1880

■ 33.2588, 33.9696,
42.2429

■ 22.8714, 29.3468,
8.6788

■ 35.4537, 34.9219,
50.4412

■ 22.0062, 28.9412,
6.8092

■ 37.8457, 35.9550,
59.5910

■ 21.2666, 28.5878,
5.5209

■ 40.4407, 37.0712,
69.7215

■ 20.6397, 28.2811,
4.7450

■ 43.2440, 38.2727,
80.8607

■ 20.1827, 28.0537,
4.3512

■ 46.2608, 39.5616,
93.0355

■ 48.2808, 40.4537,
99.8714

Harmonies

Analogous

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



30.2917, 31.5716, 21.8937



27.7957, 31.5716, 23.0413



25.9892, 31.5716, 27.0646

Triad

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



27.7957, 31.5716, 23.0413



27.3326, 31.5716, 47.9076



35.3217, 31.5716, 35.1929

Complementary

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



27.7957, 31.5716, 23.0413



22.0148, 20.9874, 34.3449

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.



34.4208, 31.5716, 42.8984



27.7957, 31.5716, 23.0413



29.7258, 31.5716, 50.8795

Square

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



27.7957, 31.5716, 23.0413



25.7329, 31.5716, 41.2920



32.3344, 31.5716, 48.9258



34.7318, 31.5716, 28.2791

Rectangle

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



27.7957, 31.5716, 23.0413



25.3677, 31.5716, 31.1820



32.3344, 31.5716, 48.9258



35.1820, 31.5716, 37.7812

Sweetspot

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



27.7965, 31.5730, 23.0420



54.9597, 59.3168, 57.1075



25.0482, 24.1219, 21.7486



12.0555, 13.0356, 12.4328



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.7965, 31.5730, 23.0420



49.1870, 56.7661, 37.6257



24.9494, 30.1053, 22.9087



7.0363, 7.6514, 7.0917



16.6524, 23.1214, 3.5852



0.3288, 0.4294, 0.0656

Inverse Universe

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



22.0148, 20.9874, 34.3449



36.8362, 34.1493, 61.7767



24.7799, 22.4128, 34.4743



6.4061, 6.4978, 8.3232



5.4612, 2.2444, 26.0526



0.1278, 0.0557, 0.4672

Previews

White Background



This preview shows how the XYZ color 27.7957, 31.5716, 23.0413 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 27.7957, 31.5716, 23.0413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

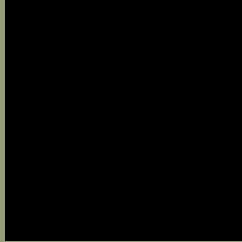
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7957, 31.5716, 23.0413

Background



This preview shows how black text looks on a background with the XYZ color 27.7957, 31.5716, 23.0413.



This preview shows how white text looks on a background with the XYZ color 27.7957, 31.5716,

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

27.7957, 31.5716, 23.0413

Protanopia

29.5187, 31.4939, 22.2924

Deuteranopia

32.0484, 31.3601, 23.4328



Tritanopia

31.1058, 31.7104, 38.6637

Trichromacy



Original Color

27.7957, 31.5716, 23.0413

Protanomaly

28.7471, 31.3310, 22.6215

Deuteranomaly

30.4178, 31.4582, 23.2077

Tritanomaly

29.7946, 31.6614, 32.1447

Monochromacy



Original Color

27.7957, 31.5716, 23.0413

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.5395, 30.8340, 29.2583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7957, 31.5716, 23.0413 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(149, 156, 122)` looks like.

```
.text, #text, p{  
    color:rgb(149, 156, 122)  
}
```

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(149, 156, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 156, 122) }
```

Border

The CSS property to change the border of an element to XYZ 27.7957, 31.5716, 23.0413 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(149, 156, 122) }
```


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

```
.border{ border-color:rgb(149, 156, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 156, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 156, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 156, 122);  
box-shadow:4px 4px 4px 4px rgb(149, 156,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7957, 31.5716, 23.0413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 156, 122) }
```

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

```
.background{ background-color: rgb(149,  
156, 122) }
```

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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