

Converting Colors

XYZ(31.4381, 28.9034, 39.2432)

Have a look what the booklet for
XYZ(31.4381, 28.9034, 39.2432)
contains.

XYZ(31.5152, 28.9643, 39.0516)	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(31.5152, 28.9643,
39.0516)**

Conversions

Conversions Part 1

Format	Color
Hex	A68AA4
RGB	166, 138, 164
RGB Percent	65%, 54%, 64%
CMY	0.3490, 0.4588, 0.3569
CMYK	0.00, 0.17, 0.01, 0.35
HSL	304°, 14%, 60%
HSV	304°, 17%, 65%
XYZ	31.5152, 28.9643, 39.0516
YIQ	149.3360, 8.3420, 14.0220

Conversions

Conversions Part 2

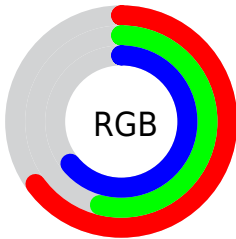
Format	Color
R _Y B	166, 138, 164
Decimal	10914468
CIE Lab	60.75, 15.25, -9.77
CIE LCh	61, 18.112, 327.353
Yxy	28.9643, 0.3166, 0.2910
Android (android.graphics.Color)	4289104548 (0xFFA68AA4)
YUV	149.3360, 7.2294, 14.6143
Hunter-Lab	53.8185, 10.3442, -5.3489

Details

The XYZ color **31.5152, 28.9643, 39.0516** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **28.8522, 34.5700, 29.9645**, and the grayscale version is **28.6773, 30.1708, 32.8560**.

A 20% lighter version of the original color is **61.4546, 58.1859, 75.0098**, and **13.3538, 11.7267, 16.8889** is the 20% darker color. If you saturate the color by 10%, you get **29.2069, 24.5179, 37.7565**, and if you desaturate by 10%, it is **34.1902, 34.1416, 40.4745**.

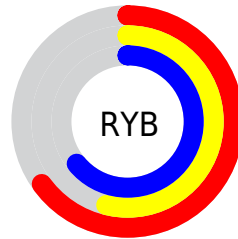
Distribution



Red (65%)

Green (54%)

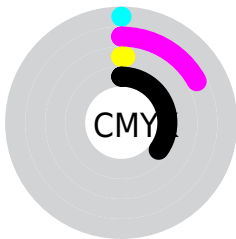
Blue (64%)



Red (65%)

Yellow (54%)

Blue (64%)

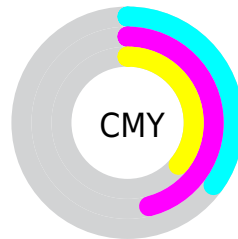


Cyan (0%)

Magenta (17%)

Yellow (1%)

Black (35%)



Cyan (35%)

Magenta (46%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5152, 28.9643, 39.0516 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 31.5152, 28.9643, 39.0516 by changing the saturation by 10% instead.

■ 31.5152, 28.9643,
39.0516

■ 31.5152, 28.9643,
39.0516

300.6895,
297.0465, 357.5423

■ 21.1452, 19.0538,
26.4917

■ 61.4206, 58.0204,
74.9383

■ 13.3433, 11.7092,
16.9628

■ 81.6868, 77.9347,
99.1023

■ 7.7440, 6.5460,
10.0463

■ 105.9824,
101.9525, 127.9714

■ 3.9820, 3.1798,
5.3237

134.6728,
130.4581, 161.9641

■ 1.6919, 1.2263,
2.3764

168.1234,
163.8359, 201.4990

■ 0.4512, 0.0830,
0.7735

206.6995,

■ 0.0000, 0.0000,

202.4703, 246.9947

0.0000

250.7664,
246.7457, 298.8696

■ 31.5152, 28.9643,
39.0516

■ 31.5152, 28.9643,
39.0516

■ 29.2069, 24.5179,
37.7565

■ 34.1902, 34.1416,
40.4745

■ 27.2464, 20.7658,
36.5820

■ 37.2448, 40.0770,
42.0285

■ 25.6166, 17.6736,
35.5226

■ 40.6943, 46.8007,
43.7192

■ 24.2983, 15.2029,
34.5719

■ 44.5527, 54.3403,
45.5510

■ 23.2702, 13.3109,
33.7228

■ 48.8328, 62.7220,
47.5285

■ 22.5082, 11.9497,
32.9673

■ 53.5474, 71.9709,
49.6558

■ 21.9846, 11.0636,
32.2960

■ 58.7083, 82.1109,
51.9368

■ 21.6582, 10.5703,
31.6954

■ 59.0763, 82.6632,
52.6252

■ 21.5707, 10.4449,
31.5131

■ 59.1920, 82.7094,
53.2346

Harmonies

Analogous

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



29.6600, 28.9643, 44.4940



31.5152, 28.9643, 39.0516



32.2981, 28.9643, 32.1390

Triad

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



31.5152, 28.9643, 39.0516



27.7391, 28.9643, 20.2894



23.7057, 28.9643, 37.8693

Complementary

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



31.5152, 28.9643, 39.0516



28.8522, 34.5700, 29.9645

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.



23.2554, 28.9643, 30.9429



31.5152, 28.9643, 39.0516



25.5039, 28.9643, 21.3770

Square

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



31.5152, 28.9643, 39.0516



30.0417, 28.9643, 21.8418



23.8952, 28.9643, 25.0544



25.1618, 28.9643, 43.7459

Rectangle

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



31.5152, 28.9643, 39.0516



32.0750, 28.9643, 27.8304



23.8952, 28.9643, 25.0544



23.4354, 28.9643, 35.5594

Sweetspot

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



31.5161, 28.9656, 39.0522



62.9828, 63.7705, 73.9387



26.7655, 26.4955, 39.7803



14.0143, 14.1152, 16.5047



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.5161, 28.9656, 39.0522



55.6547, 49.5915, 70.0251



30.3311, 28.4916, 32.8124



7.8184, 7.6572, 9.3611



16.7340, 8.1023, 24.4747



0.4138, 0.1998, 0.6303

Inverse Universe

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



31.5161, 28.9656, 39.0522



55.6547, 49.5915, 70.0251



29.9401, 35.0051, 35.6933



7.8184, 7.6572, 9.3611



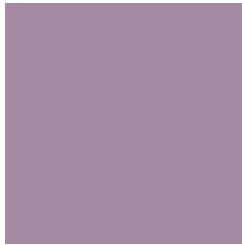
16.7340, 8.1023, 24.4747



0.4138, 0.1998, 0.6303

Previews

White Background



This preview shows how the XYZ color 31.5152, 28.9643, 39.0516 looks on a white background.

Color Contrast Check

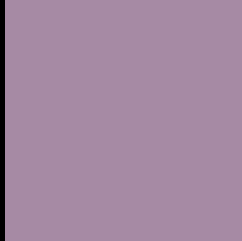
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5152, 28.9643, 39.0516 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 31.5152, 28.9643, 39.0516

Background



This preview shows how black text looks on a background with the XYZ color 31.5152, 28.9643, 39.0516.



This preview shows how white text looks on a background with the XYZ color 31.5152, 28.9643,

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

31.5152, 28.9643, 39.0516

Protanopia

28.7680, 29.2620, 41.6680

Deuteranopia

29.5702, 29.0616, 38.7013



Tritanopia

30.2738, 28.8830, 33.2575

Trichromacy



Original Color

31.5152, 28.9643, 39.0516

Protanomaly

29.5600, 29.0143, 40.6015

Deuteranomaly

30.2363, 28.9632, 38.6472

Tritanomaly

30.7504, 28.8649, 35.4032

Monochromacy



Original Color

31.5152, 28.9643, 39.0516

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.4757, 29.5525, 34.7225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5152, 28.9643, 39.0516 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(166, 138, 164)` looks like.

```
.text, #text, p{  
    color:rgb(166, 138, 164)  
}
```

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(166, 138, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 138, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.5152, 28.9643, 39.0516 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(166, 138, 164) }
```


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

```
.border{ border-color:rgb(166, 138, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 138, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 138, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 138, 164);  
box-shadow:4px 4px 4px 4px rgb(166, 138,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5152, 28.9643, 39.0516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 138, 164) }
```

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

```
.background{ background-color: rgb(166,  
138, 164) }
```

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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