

Converting Colors

XYZ(31.8191, 29.4028, 38.9579)

Have a look what the booklet for
XYZ(31.8191, 29.4028, 38.9579)
contains.

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Color

**XYZ(31.8698, 29.3611,
39.1095)**

Conversions

Conversions Part 1

Format	Color
Hex	A78BA4
RGB	167, 139, 164
RGB Percent	65%, 55%, 64%
CMY	0.3451, 0.4549, 0.3569
CMYK	0.00, 0.17, 0.02, 0.35
HSL	306°, 14%, 60%
HSV	306°, 17%, 65%
XYZ	31.8698, 29.3611, 39.1095
YIQ	150.2220, 8.6630, 13.7110

Conversions

Conversions Part 2

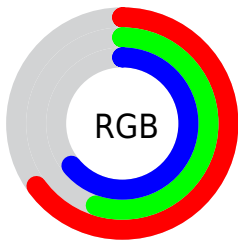
Format	Color
R_{YB}	167, 139, 164
Decimal	10980260
CIE _{Lab}	61.10, 15.04, -9.24
CIE _{LCh}	61, 17.651, 328.436
Yxy	29.3611, 0.3176, 0.2926
Android (android.graphics.Color)	4289170340 (0xFFA78BA4)
YUV	150.2220, 6.7926, 14.7143
Hunter-Lab	54.1859, 10.1607, -4.8634

Details

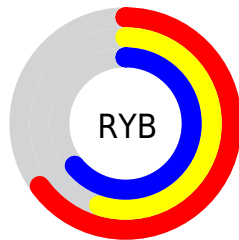
The XYZ color **31.8698, 29.3611, 39.1095** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **29.3498, 35.0802, 30.8170**, and the grayscale version is **29.0539, 30.5670, 33.2874**.

A 20% lighter version of the original color is **61.9803, 58.7840, 75.0976**, and **13.5672, 11.9594, 16.9226** is the 20% darker color. If you saturate the color by 10%, you get **29.4739, 24.8256, 37.5194**, and if you desaturate by 10%, it is **34.6391, 34.6388, 40.8360**.

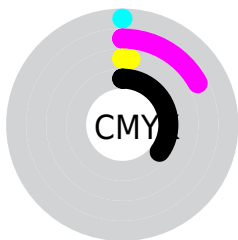
Distribution



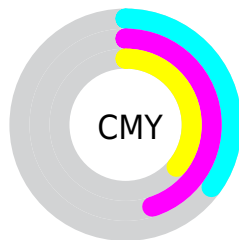
- Red (65%)
- Green (55%)
- Blue (64%)



- Red (65%)
- Yellow (55%)
- Blue (64%)



- Cyan (0%)
- Magenta (17%)
- Yellow (2%)
- Black (35%)



- Cyan (35%)
- Magenta (45%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8698, 29.3611, 39.1095 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 31.8698, 29.3611, 39.1095 by changing the saturation by 10% instead.

■ 31.8698, 29.3611,
39.1095

■ 31.8698, 29.3611,
39.1095

302.2816,
298.9149, 357.7957

■ 21.4171, 19.3542,
26.5364

■ 61.9735, 58.6503,
75.0278

■ 13.5434, 11.9265,
16.9960

■ 82.3552, 78.7014,
99.2100

■ 7.8834, 6.6936,
10.0697

■ 106.7774,
102.8693, 128.0991

■ 4.0716, 3.2712,
5.3390

135.6053,
131.5384, 162.1135

■ 1.7427, 1.2749,
2.3853

169.2043,
165.0931, 201.6719

■ 0.4828, 0.1217,
0.7784

207.9398,

■ 0.0000, 0.0000,

203.9178, 247.1927

0.0000

252.1771,
248.3970, 299.0944

■ 31.8698, 29.3611,
39.1095

■ 31.8698, 29.3611,
39.1095

■ 29.4739, 24.8256,
37.5194

■ 34.6391, 34.6388,
40.8360

■ 27.4320, 20.9951,
36.0582

■ 37.7949, 40.6863,
42.7021

■ 25.7271, 17.8348,
34.7204

■ 41.3528, 47.5342,
44.7137

■ 24.3395, 15.3057,
33.4995

■ 45.3266, 55.2104,
46.8752

■ 23.2477, 13.3644,
32.3882

■ 49.7298, 63.7417,
49.1913

■ 22.4272, 11.9624,
31.3784

■ 54.5751, 73.1533,
51.6661

■ 21.8500, 11.0432,
30.4605

■ 59.5853, 82.8911,
54.2075

■ 21.4749, 10.5248,
29.6210

■ 59.7643, 82.9627,
55.1499

■ 21.3698, 10.3889,
29.3571

■ 59.9456, 83.0352,
56.1047

Harmonies

Analogous

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



30.0783, 29.3611, 44.5264



31.8698, 29.3611, 39.1095



32.5921, 29.3611, 32.3180

Triad

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



31.8698, 29.3611, 39.1095



28.0284, 29.3611, 20.8538



24.1764, 29.3611, 38.4250

Complementary

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



31.8698, 29.3611, 39.1095



29.3498, 35.0802, 30.8170

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.



23.6936, 29.3611, 31.6230



31.8698, 29.3611, 39.1095



25.8425, 29.3611, 22.0273

Square

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



31.8698, 29.3611, 39.1095



30.2998, 29.3611, 22.2995



24.2868, 29.3611, 25.7557



25.6433, 29.3611, 44.0944

Rectangle

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



31.8698, 29.3611, 39.1095



32.3415, 29.3611, 28.1085



24.2868, 29.3611, 25.7557



23.8973, 29.3611, 36.1682

Sweetspot

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



31.8707, 29.3624, 39.1101



62.9328, 63.7505, 73.6755



27.3300, 26.9899, 40.3288



14.0016, 14.1102, 16.4381



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.



31.8707, 29.3624, 39.1101



55.4583, 49.5130, 68.9907



30.6911, 28.8906, 32.8987



7.8068, 7.6526, 9.2996



16.3631, 7.9539, 22.5213



0.4076, 0.1973, 0.5981

Inverse Universe

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



31.8707, 29.3624, 39.1101



55.4583, 49.5130, 68.9907



30.4510, 35.5207, 36.6160



7.8068, 7.6526, 9.2996



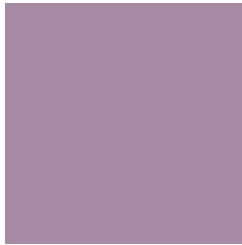
16.3631, 7.9539, 22.5213



0.4076, 0.1973, 0.5981

Previews

White Background



This preview shows how the XYZ color 31.8698, 29.3611, 39.1095 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 31.8698, 29.3611, 39.1095 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 31.8698, 29.3611, 39.1095

Background



This preview shows how black text looks on a background with the XYZ color 31.8698, 29.3611, 39.1095.



This preview shows how white text looks on a background with the XYZ color 31.8698, 29.3611,

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

31.8698, 29.3611, 39.1095

Protanopia

28.9419, 29.3516, 41.6761

Deuteranopia

30.1017, 29.5594, 38.7693



Tritanopia

30.7094, 29.3161, 33.7458

Trichromacy



Original Color

31.8698, 29.3611, 39.1095

Protanomaly

29.7464, 29.1103, 40.6103

Deuteranomaly

30.5819, 29.3613, 38.7058

Tritanomaly

31.1047, 29.2635, 35.4615

Monochromacy



Original Color

31.8698, 29.3611, 39.1095

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.9056, 29.9922, 35.2232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8698, 29.3611, 39.1095 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(167, 139, 164)` looks like.

```
.text, #text, p{  
    color:rgb(167, 139, 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(167, 139, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 139, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.8698, 29.3611, 39.1095 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(167, 139, 164) }
```


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

```
.border{ border-color:rgb(167, 139, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 139, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 139, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 139, 164);  
box-shadow:4px 4px 4px 4px rgb(167, 139,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8698, 29.3611, 39.1095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 139, 164) }
```

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

```
.background{ background-color: rgb(167,  
139, 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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