

Converting Colors

XYZ(28.8329, 31.2354, 40.4657)

Have a look what the booklet for
XYZ(28.8329, 31.2354, 40.4657)
contains.

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Color

**XYZ(28.9198, 31.2676,
40.5874)**

Conversions

Conversions Part 1

Format	Color
Hex	8A9AA6
RGB	138, 154, 166
RGB Percent	54%, 60%, 65%
CMY	0.4588, 0.3961, 0.3490
CMYK	0.17, 0.07, 0.00, 0.35
HSL	206°, 14%, 60%
HSV	206°, 17%, 65%
XYZ	28.9198, 31.2676, 40.5874
YIQ	150.5840, -13.3880, 0.3400

Conversions

Conversions Part 2

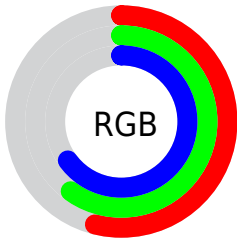
Format	Color
RYB	138, 148, 166
Decimal	9083558
CIELab	62.73, -3.07, -8.19
CIELCh	63, 8.747, 249.458
Yxy	31.2676, 0.2870, 0.3103
Android (android.graphics.Color)	4287273638 (0xFF8A9AA6)
YUV	150.5840, 7.6001, -11.0362
Hunter-Lab	55.9174, -5.5376, -3.8931

Details

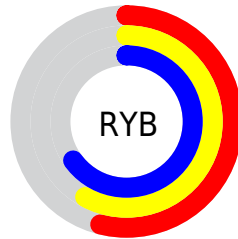
The XYZ color **28.9198, 31.2676, 40.5874** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.2201, 31.7549, 28.5294**, and the grayscale version is **29.2112, 30.7325, 33.4676**.

A 20% lighter version of the original color is **57.3452, 61.5387, 77.2623**, and **11.9120, 12.9901, 17.7991** is the 20% darker color. If you saturate the color by 10%, you get **25.2412, 27.6804, 40.0894**, and if you desaturate by 10%, it is **33.0896, 35.2130, 41.1297**.

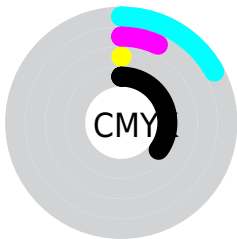
Distribution



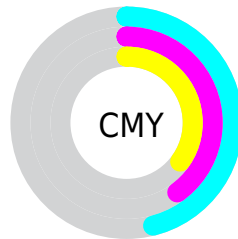
- Red (54%)
- Green (60%)
- Blue (65%)



- Red (54%)
- Yellow (58%)
- Blue (65%)



- Cyan (17%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)



- Cyan (46%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9198, 31.2676, 40.5874 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 28.9198, 31.2676, 40.5874 by changing the saturation by 10% instead.

■ 28.9198, 31.2676,
40.5874

■ 28.9198, 31.2676,
40.5874

288.8374,
307.7693, 364.2186

■ 19.1641, 20.8027,
27.6796

■ 57.3481, 61.6611,
77.3040

■ 11.8936, 12.9799,
17.8473

■ 76.7514, 82.3586,
101.9499

■ 6.7430, 7.4147,
10.6721

■ 100.1013,
107.2356, 131.3455

■ 3.3468, 3.7228,
5.7354

127.7632,
136.6767, 165.9093

■ 1.3397, 1.5197,
2.6187

160.1024,
171.0662, 206.0601

■ 0.2126, 0.3025,
0.9021

197.4843,

■ 0.0000, 0.0000,

210.7886, 252.2162

0.0000

240.2741,
256.2281, 304.7962

■ 28.9198, 31.2676,
40.5874

■ 28.9198, 31.2676,
40.5874

■ 25.2412, 27.6804,
40.0894

■ 33.0896, 35.2130,
41.1297

■ 22.0309, 24.4353,
39.6322

■ 37.7668, 39.5241,
41.7153

■ 19.2681, 21.5207,
39.2153

■ 42.9703, 44.2132,
42.3461

■ 16.9293, 18.9224,
38.8370

■ 48.7170, 49.2908,
43.0233

■ 14.9886, 16.6253,
38.4959

■ 55.0231, 54.7667,
43.7479

■ 13.4170, 14.6124,
38.1902

■ 61.9041, 60.6506,
44.5209

■ 12.1810, 12.8644,
37.9180

■ 69.3750, 66.9516,
45.3434

■ 11.2317, 11.3539,
37.6764

■ 71.3950, 70.5571,
45.9329

■ 10.9633, 10.9137,
37.6056

■ 73.2006, 74.1683,
46.5347

Harmonies

Analogous

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



27.9797, 31.2676, 38.4013



28.9198, 31.2676, 40.5874



30.0981, 31.2676, 40.9585

Triad

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



28.9198, 31.2676, 40.5874



32.0439, 31.2676, 32.9751



28.2823, 31.2676, 29.2122

Complementary

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



28.9198, 31.2676, 40.5874



31.2201, 31.7549, 28.5294

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.



29.3429, 31.2676, 27.9570



28.9198, 31.2676, 40.5874



31.5288, 31.2676, 30.0315

Square

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



28.9198, 31.2676, 40.5874



31.9232, 31.2676, 36.4071



30.5326, 31.2676, 28.2466



27.6185, 31.2676, 31.7875

Rectangle

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



28.9198, 31.2676, 40.5874



30.8634, 31.2676, 40.1032



30.5326, 31.2676, 28.2466



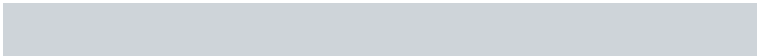
28.6030, 31.2676, 28.6300

Sweetspot

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



28.9207, 31.2689, 40.5881



61.4912, 65.2460, 74.8281



29.5963, 34.8676, 33.8846



13.6372, 14.4861, 16.7295



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.



28.9207, 31.2689, 40.5881



50.0479, 54.3944, 73.3366



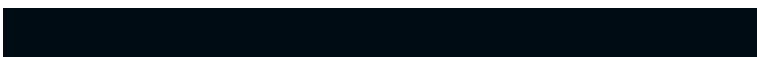
26.7918, 27.0110, 39.8785



7.4743, 7.9854, 9.5657



8.5484, 8.5570, 29.1766



0.2572, 0.3067, 0.7263

Inverse Universe

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



30.6479, 28.6179, 34.4817



53.7745, 48.8395, 60.1240



33.5298, 36.3743, 29.2993



7.7040, 7.6115, 8.7584



13.8154, 6.9349, 9.1056



0.3610, 0.1787, 0.3524

Previews

White Background



This preview shows how the XYZ color 28.9198, 31.2676, 40.5874 looks on a white background.

Color Contrast Check

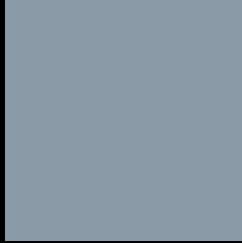
Large Text (above 18pt) WCAG AA × Fail

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 28.9198, 31.2676, 40.5874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

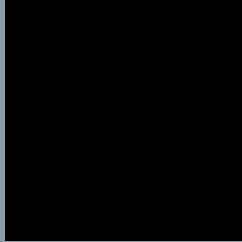
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

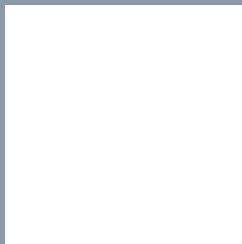
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9198, 31.2676, 40.5874

Background



This preview shows how black text looks on a background with the XYZ color 28.9198, 31.2676, 40.5874.

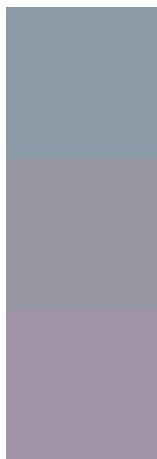


This preview shows how white text looks on a background with the XYZ color 28.9198, 31.2676,

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

28.9198, 31.2676, 40.5874

Protanopia

30.5299, 31.3929, 39.5723

Deuteranopia

31.7068, 31.0284, 40.8772



Tritanopia

28.9198, 31.2676, 40.5874

Trichromacy



Original Color

28.9198, 31.2676, 40.5874

Protanomaly

29.8738, 31.2841, 40.0612

Deuteranomaly

30.6439, 31.1820, 40.9628

Tritanomaly

28.9198, 31.2676, 40.5874

Monochromacy



Original Color

28.9198, 31.2676, 40.5874

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.0830, 30.9678, 35.8970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9198, 31.2676, 40.5874 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(138, 154, 166)` looks like.

```
.text, #text, p{  
    color:rgb(138, 154, 166)  
}
```

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(138, 154, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 154, 166) }
```

Border

The CSS property to change the border of an element to XYZ 28.9198, 31.2676, 40.5874 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(138, 154, 166) }
```


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

```
.border{ border-color:rgb(138, 154, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 154, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 154, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 154, 166);  
box-shadow:4px 4px 4px 4px rgb(138, 154,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9198, 31.2676, 40.5874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 154, 166) }
```

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

```
.background{ background-color: rgb(138,  
154, 166) }
```

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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