

Converting Colors

XYZ(31.8583, 29.1808, 35.7909)

Have a look what the booklet for
XYZ(31.8583, 29.1808, 35.7909)
contains.

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Color

**XYZ(31.9689, 29.2692,
35.8629)**

Conversions

Conversions Part 1

Format	Color
Hex	AB8A9D
RGB	171, 138, 157
RGB Percent	67%, 54%, 62%
CMY	0.3294, 0.4588, 0.3843
CMYK	0.00, 0.19, 0.08, 0.33
HSL	325°, 16%, 61%
HSV	325°, 19%, 67%
XYZ	31.9689, 29.2692, 35.8629
YIQ	150.0330, 13.5690, 12.9050

Conversions

Conversions Part 2

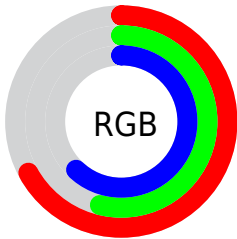
Format	Color
RYB	171, 138, 157
Decimal	11242141
CIELab	61.02, 15.75, -5.33
CIElCh	61, 16.624, 341.299
Yxy	29.2692, 0.3292, 0.3014
Android (android.graphics.Color)	4289432221 (0xFFAB8A9D)
YUV	150.0330, 3.4347, 18.3881
Hunter-Lab	54.1010, 10.8009, -1.4319

Details

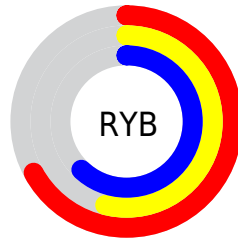
The XYZ color **31.9689, 29.2692, 35.8629** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **30.7128, 36.7969, 35.1913**, and the grayscale version is **28.9860, 30.4955, 33.2096**.

A 20% lighter version of the original color is **62.4119, 58.7836, 70.3443**, and **13.5625, 11.8716, 15.2123** is the 20% darker color. If you saturate the color by 10%, you get **29.1051, 24.5033, 31.9425**, and if you desaturate by 10%, it is **35.2575, 34.8250, 40.1070**.

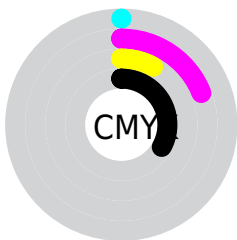
Distribution



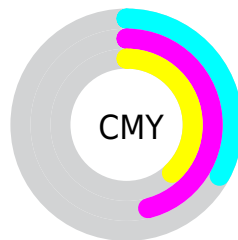
- Red (67%)
- Green (54%)
- Blue (62%)



- Red (67%)
- Yellow (54%)
- Blue (62%)



- Cyan (0%)
- Magenta (19%)
- Yellow (8%)
- Black (33%)



- Cyan (33%)
- Magenta (46%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9689, 29.2692, 35.8629 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 31.9689, 29.2692, 35.8629 by changing the saturation by 10% instead.

■ 31.9689, 29.2692,
35.8629

■ 31.9689, 29.2692,
35.8629

302.7254,
298.4830, 343.3802

■ 21.4932, 19.2846,
24.0395

■ 62.1279, 58.5045,
69.9871

■ 13.5995, 11.8761,
15.1504

■ 82.5418, 78.5240,
93.1249

■ 7.9225, 6.6593,
8.7772

■ 106.9992,
102.6572, 120.8712

■ 4.0968, 3.2500,
4.5013

135.8654,
131.2885, 153.6447

■ 1.7570, 1.2636,
1.9042

169.5058,
164.8024, 191.8638

■ 0.4916, 0.1128,
0.4954

208.2856,

■ 0.0000, 0.0000,

203.5831, 235.9470

0.0000

252.5704,
248.0152, 286.3130

■ 31.9689, 29.2692,
35.8629

■ 31.9689, 29.2692,
35.8629

■ 29.1051, 24.5033,
31.9425

■ 35.2575, 34.8250,
40.1070

■ 26.6448, 20.4870,
28.3347

■ 38.9858, 41.2007,
44.6820

■ 24.5688, 17.1825,
25.0302

■ 43.1710, 48.4295,
49.5967

■ 22.8552, 14.5469,
22.0184

■ 47.8289, 56.5417,
54.8594

■ 21.4797, 12.5329,
19.2878

■ 52.9741, 65.5660,
60.4779

■ 20.4149, 11.0868,
16.8257

■ 58.6209, 75.5299,
66.4595

■ 19.6287, 10.1456,
14.6179

■ 63.9139, 84.7217,
72.5220

■ 19.0580, 9.5842,
12.6396

■ 64.8261, 85.0865,
77.3256

■ 19.0207, 9.5484,
12.5071

■ 65.7796, 85.4680,
82.3470

Harmonies

Analogous

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



30.6700, 29.2692, 41.7336



31.9689, 29.2692, 35.8629



32.1223, 29.2692, 29.5811

Triad

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



31.9689, 29.2692, 35.8629



27.0086, 29.2692, 21.5139



24.7963, 29.2692, 40.4395

Complementary

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



31.9689, 29.2692, 35.8629



30.7128, 36.7969, 35.1913

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.



23.9192, 29.2692, 34.2724



31.9689, 29.2692, 35.8629



25.1513, 29.2692, 23.6963

Square

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



31.9689, 29.2692, 35.8629



29.1811, 29.2692, 21.8231



24.0456, 29.2692, 28.1835



26.5009, 29.2692, 44.6040

Rectangle

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



31.9689, 29.2692, 35.8629



31.5455, 29.2692, 26.0467



24.0456, 29.2692, 28.1835



24.3990, 29.2692, 38.5005

Sweetspot

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



31.9697, 29.2705, 35.8635



65.1867, 65.8493, 74.3775



29.3425, 27.7700, 42.3422



14.4460, 14.5296, 16.4738



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.9697, 29.2705, 35.8635



55.0569, 48.7450, 61.2736



30.6733, 28.7519, 29.0364



8.1912, 8.0897, 9.3177



14.3653, 7.2087, 9.5693



0.4262, 0.2112, 0.4063

Inverse Universe

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



31.9697, 29.2705, 35.8635



55.0569, 48.7450, 61.2736



32.1363, 37.3663, 42.6873



8.1912, 8.0897, 9.3177



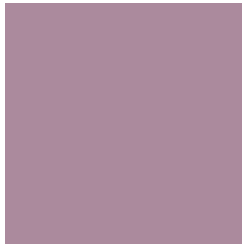
14.3653, 7.2087, 9.5693



0.4262, 0.2112, 0.4063

Previews

White Background



This preview shows how the XYZ color 31.9689, 29.2692, 35.8629 looks on a white background.

Color Contrast Check

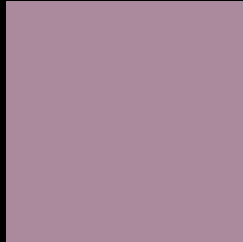
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9689, 29.2692, 35.8629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

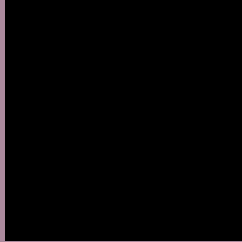
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9689, 29.2692, 35.8629

Background



This preview shows how black text looks on a background with the XYZ color 31.9689, 29.2692, 35.8629.



This preview shows how white text looks on a background with the XYZ color 31.9689, 29.2692,

35.8629.

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

31.9689, 29.2692, 35.8629

Protanopia

28.6545, 29.2774, 38.3233

Deuteranopia

29.9238, 29.3143, 35.5336



Tritanopia

31.3152, 29.2133, 32.8424

Trichromacy



Original Color

31.9689, 29.2692, 35.8629

Protanomaly

29.6852, 29.1515, 37.3199

Deuteranomaly

30.6299, 29.2366, 35.4813

Tritanomaly

31.5600, 29.3112, 34.1312

Monochromacy



Original Color

31.9689, 29.2692, 35.8629

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.1292, 30.1268, 34.3641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9689, 29.2692, 35.8629 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(171, 138, 157)` looks like.

```
.text, #text, p{  
    color:rgb(171, 138, 157)  
}
```

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(171, 138, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 138, 157) }
```

Border

The CSS property to change the border of an element to XYZ 31.9689, 29.2692, 35.8629 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(171, 138, 157) }
```


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

```
.border{ border-color:rgb(171, 138, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 138, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 138, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 138, 157);  
box-shadow:4px 4px 4px 4px rgb(171, 138,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9689, 29.2692, 35.8629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 138, 157) }
```

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

```
.background{ background-color: rgb(171,  
138, 157) }
```

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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