

Converting Colors

XYZ(33.0311, 29.3021, 56.3541)

Have a look what the booklet for
XYZ(33.0311, 29.3021, 56.3541)
contains.

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Color

**XYZ(32.9569, 29.3306,
56.1489)**

Conversions

Conversions Part 1

Format	Color
Hex	9D8AC4
RGB	157, 138, 196
RGB Percent	62%, 54%, 77%
CMY	0.3843, 0.4588, 0.2314
CMYK	0.20, 0.30, 0.00, 0.23
HSL	260°, 33%, 65%
HSV	260°, 30%, 77%
XYZ	32.9569, 29.3306, 56.1489
YIQ	150.2930, -7.2940, 22.0660

Conversions

Conversions Part 2

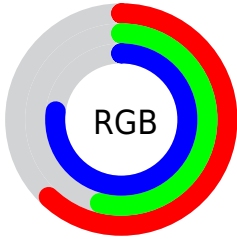
Format	Color
RYB	157, 138, 196
Decimal	10324676
CIELab	61.07, 19.06, -27.50
CIELCh	61, 33.459, 304.727
Yxy	29.3306, 0.2783, 0.2476
Android (android.graphics.Color)	4288514756 (0xFF9D8AC4)
YUV	150.2930, 22.5336, 5.8820
Hunter-Lab	54.1577, 13.8475, -23.5594

Details

The XYZ color **32.9569, 29.3306, 56.1489** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.4598, 50.6627, 31.5871**, and the grayscale version is **29.0241, 30.5356, 33.2533**.

A 20% lighter version of the original color is **63.7306, 58.7882, 100.9168**, and **14.1979, 11.9357, 27.1467** is the 20% darker color. If you saturate the color by 10%, you get **27.9605, 22.9509, 55.1813**, and if you desaturate by 10%, it is **38.7401, 36.8705, 57.2999**.

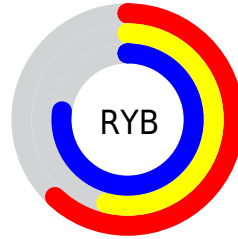
Distribution



Red (62%)

Green (54%)

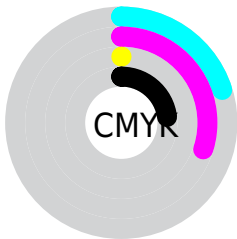
Blue (77%)



Red (62%)

Yellow (54%)

Blue (77%)

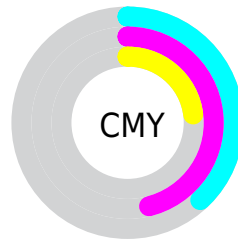


Cyan (20%)

Magenta (30%)

Yellow (0%)

Black (23%)



Cyan (38%)

Magenta (46%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9569, 29.3306, 56.1489 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 32.9569, 29.3306, 56.1489 by changing the saturation by 10% instead.

■ 32.9569, 29.3306,
56.1489

■ 32.9569, 29.3306,
56.1489

307.1239,
298.7716, 427.6565

■ 22.2525, 19.3311,
39.9175

■ 63.6634, 58.6019,
100.7102

■ 14.1602, 11.9097,
27.1609

■ 84.3961, 78.6425,
129.8772

■ 8.3146, 6.6822,
17.4606

■ 109.2024,
102.7989, 164.1932

■ 4.3504, 3.2642,
10.3980

138.4476,
131.4555, 204.0767

■ 1.9022, 1.2712,
5.5546

172.4969,
164.9966, 249.9462

■ 0.5781, 0.1187,
2.5118

211.7159,

■ 0.0000, 0.0000,

203.8068, 302.2203

0.8464

256.4697,
248.2703, 361.3176

0.0000, 0.0000,
0.0000

32.9569, 29.3306,
56.1489

32.9569, 29.3306,
56.1489

27.9605, 22.9509,
55.1813

38.7401, 36.8705,
57.2999

23.7120, 17.6688,
54.3857

45.3407, 45.6219,
58.6412

20.1731, 13.4210,
53.7523

52.7914, 55.6373,
60.1817

17.3010, 10.1359,
53.2696

61.1221, 66.9650,
61.9291

15.0474, 7.7328,
52.9245

70.3610, 79.6507,
63.8907

■ 13.3569, 6.1167,
52.7017

■ 80.3423, 93.3520,
66.0093

■ 12.1357, 5.1181,
52.5733

■ 84.8832, 95.6929,
66.2218

■ 12.0916, 5.0824,
52.5687

■ 86.9639, 96.7656,
66.3192

Harmonies

Analogous

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



28.5778, 29.3306, 62.5154



32.9569, 29.3306, 56.1489



36.2097, 29.3306, 43.3822

Triad

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



32.9569, 29.3306, 56.1489



31.6309, 29.3306, 14.7114



20.2976, 29.3306, 33.9655

Complementary

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



32.9569, 29.3306, 56.1489



42.4598, 50.6627, 31.5871

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.



20.9335, 29.3306, 22.7042



32.9569, 29.3306, 56.1489



27.1895, 29.3306, 13.4226

Square

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



32.9569, 29.3306, 56.1489



35.3897, 29.3306, 20.0705



23.3494, 29.3306, 15.9292



21.5122, 29.3306, 47.7439

Rectangle

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



32.9569, 29.3306, 56.1489



37.1349, 29.3306, 34.2048



23.3494, 29.3306, 15.9292



20.3033, 29.3306, 29.7698

Sweetspot

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



32.9579, 29.3318, 56.1496



82.7093, 83.4111, 106.3484



36.2935, 41.0848, 58.2423



17.3023, 17.3183, 22.6808



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.9579, 29.3318, 56.1496



53.2443, 44.8586, 100.4600



39.1493, 32.5236, 56.4393



9.8322, 9.9046, 12.6784



7.8508, 3.3076, 33.7813



0.4128, 0.1808, 1.4630

Inverse Universe

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



39.7902, 33.0882, 45.8856



67.9536, 52.9578, 77.8234



36.6560, 47.6707, 31.3154



10.3524, 10.1896, 11.9464



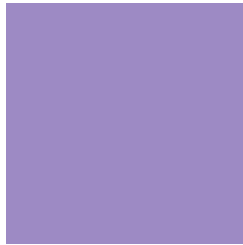
17.3356, 8.6240, 14.9452



0.7797, 0.3849, 0.8070

Previews

White Background



This preview shows how the XYZ color 32.9569, 29.3306, 56.1489 looks on a white background.

Color Contrast Check

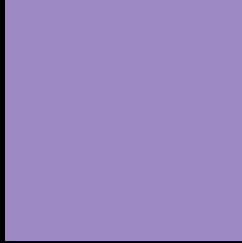
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.9569, 29.3306, 56.1489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

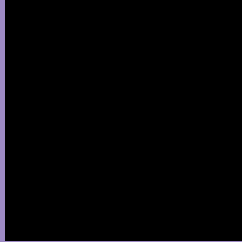
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.9569, 29.3306, 56.1489

Background



This preview shows how black text looks on a background with the XYZ color 32.9569, 29.3306, 56.1489.



This preview shows how white text looks on a background with the XYZ color 32.9569, 29.3306,

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

32.9569, 29.3306, 56.1489

Protanopia

30.1461, 29.3404, 59.9515

Deuteranopia

30.1291, 29.4252, 55.7214



Tritanopia

28.9424, 29.4761, 36.0623

Trichromacy



Original Color

32.9569, 29.3306, 56.1489

Protanomaly

30.9135, 29.0916, 58.6295

Deuteranomaly

31.0249, 29.2154, 55.6337

Tritanomaly

30.3100, 29.3575, 42.5971

Monochromacy



Original Color

32.9569, 29.3306, 56.1489

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.3908, 30.1201, 40.7712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9569, 29.3306, 56.1489 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(157, 138, 196)` looks like.

```
.text, #text, p{  
    color:rgb(157, 138, 196)  
}
```

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(157, 138, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 138, 196) }
```

Border

The CSS property to change the border of an element to XYZ 32.9569, 29.3306, 56.1489 is called "border". The border property can be set on classes, ids or directly on the HTML element.

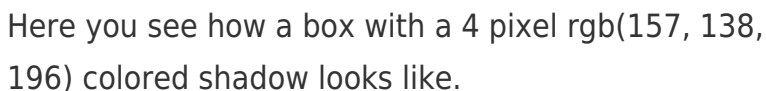
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 138, 196) }
```


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

```
.border{ border-color:rgb(157, 138, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 138, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 138, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 138, 196); box-shadow:4px 4px 4px 4px rgb(157, 138, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9569, 29.3306, 56.1489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 138, 196) }
```

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

```
.background{ background-color: rgb(157,  
138, 196) }
```

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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