

Converting Colors

XYZ(31.4429, 29.2210, 36.9189)

Have a look what the booklet for
XYZ(31.4429, 29.2210, 36.9189)
contains.

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Color

**XYZ(31.4270, 29.1839,
36.7776)**

Conversions

Conversions Part 1

Format	Color
Hex	A78B9F
RGB	167, 139, 159
RGB Percent	65%, 55%, 62%
CMY	0.3451, 0.4549, 0.3765
CMYK	0.00, 0.17, 0.05, 0.35
HSL	317°, 14%, 60%
HSV	317°, 17%, 65%
XYZ	31.4270, 29.1839, 36.7776
YIQ	149.6520, 10.2680, 12.1560

Conversions

Conversions Part 2

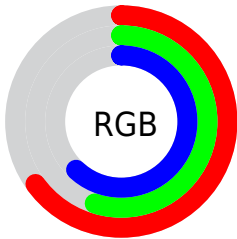
Format	Color
RYB	167, 139, 159
Decimal	10980255
CIELab	60.94, 14.09, -6.62
CIELCh	61, 15.572, 334.827
Yxy	29.1839, 0.3227, 0.2997
Android (android.graphics.Color)	4289170335 (0xFFA78B9F)
YUV	149.6520, 4.6086, 15.2142
Hunter-Lab	54.0221, 9.3024, -2.5484

Details

The XYZ color **31.4270, 29.1839, 36.7776** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.7338, 35.2339, 32.8390**, and the grayscale version is **28.8208, 30.3217, 33.0204**.

A 20% lighter version of the original color is **61.3318, 58.5246, 71.6822**, and **13.3494, 11.8723, 15.7754** is the 20% darker color. If you saturate the color by 10%, you get **28.7853, 24.5501, 33.8934**, and if you desaturate by 10%, it is **34.4558, 34.5654, 39.8704**.

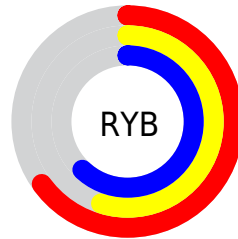
Distribution



Red (65%)

Green (55%)

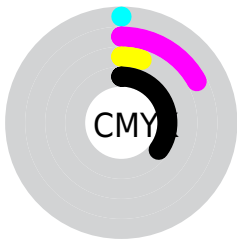
Blue (62%)



Red (65%)

Yellow (55%)

Blue (62%)

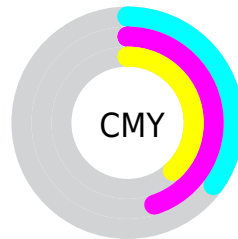


Cyan (0%)

Magenta (17%)

Yellow (5%)

Black (35%)



Cyan (35%)


Magenta (45%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4270, 29.1839, 36.7776 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 31.4270, 29.1839, 36.7776 by changing the saturation by 10% instead.


 31.4270, 29.1839,
36.7776


 31.4270, 29.1839,
36.7776


300.2926,
298.0817, 347.4863

 21.0776, 19.2200,
24.7409


 61.2830, 58.3691,
71.4131

 13.2935, 11.8293,
15.6669


 81.5203, 78.3593,
94.8490

 7.7094, 6.6276,
9.1369


 105.7844,
102.4602, 122.9217

 3.9598, 3.2303,
4.7326

134.4405,
131.0564, 156.0497

 1.6794, 1.2531,
2.0352

167.8540,
164.5323, 194.6517

 0.4433, 0.1045,
0.5768

206.3903,

 0.0000, 0.0000,

203.2722, 239.1461

0.0000

250.4147,
247.6605, 289.9514

■ 31.4270, 29.1839,
36.7776

■ 31.4270, 29.1839,
36.7776

■ 28.7853, 24.5501,
33.8934

■ 34.4558, 34.5654,
39.8704

■ 26.5112, 20.6267,
31.2095

■ 37.8849, 40.7222,
43.1760

■ 24.5875, 17.3789,
28.7195

■ 41.7301, 47.6850,
46.7009

■ 22.9943, 14.7676,
26.4158

■ 46.0056, 55.4820,
50.4507

■ 21.7099, 12.7493,
24.2904

■ 50.7248, 64.1396,
54.4306

■ 20.7098, 11.2754,
22.3341

■ 55.9006, 73.6834,
58.6458

■ 19.9654, 10.2894,
20.5364

■ 61.2560, 83.5594,
63.0048

■ 19.4357, 9.7091,
18.8826

■ 61.7949, 83.7749,
65.8429

■ 19.2833, 9.5543,
18.3693

■ 62.3512, 83.9975,
68.7723

Harmonies

Analogous

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



30.0302, 29.1839, 41.8755



31.4270, 29.1839, 36.7776



31.8168, 29.1839, 30.8439

Triad

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



31.4270, 29.1839, 36.7776



27.4109, 29.1839, 21.8793



24.6531, 29.1839, 38.6050

Complementary

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



31.4270, 29.1839, 36.7776



29.7338, 35.2339, 32.8390

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.



24.0243, 29.1839, 32.7273



31.4270, 29.1839, 36.7776



25.5663, 29.1839, 23.4473

Square

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



31.4270, 29.1839, 36.7776



29.4338, 29.1839, 22.6867



24.3504, 29.1839, 27.2503



26.1094, 29.1839, 43.0177

Rectangle

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



31.4270, 29.1839, 36.7776



31.4378, 29.1839, 27.3055



24.3504, 29.1839, 27.2503



24.3413, 29.1839, 36.7102

Sweetspot

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



31.4279, 29.1852, 36.7782



62.6846, 63.6513, 72.3685



28.2295, 27.4536, 40.3710



13.9388, 14.0850, 16.1073



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.



31.4279, 29.1852, 36.7782



54.5041, 49.1313, 63.9658



30.2860, 28.7284, 30.7652



7.7491, 7.6295, 8.9962



14.7774, 7.3197, 14.1712



0.3799, 0.1862, 0.4520

Inverse Universe

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



31.4279, 29.1852, 36.7782



54.5041, 49.1313, 63.9658



30.8943, 35.6981, 38.9503



7.7491, 7.6295, 8.9962



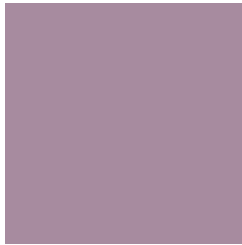
14.7774, 7.3197, 14.1712



0.3799, 0.1862, 0.4520

Previews

White Background



This preview shows how the XYZ color 31.4270, 29.1839, 36.7776 looks on a white background.

Color Contrast Check

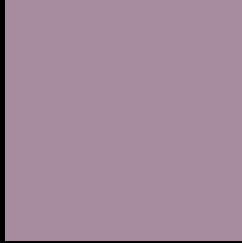
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4270, 29.1839, 36.7776 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 31.4270, 29.1839, 36.7776

Background



This preview shows how black text looks on a background with the XYZ color 31.4270, 29.1839, 36.7776.



This preview shows how white text looks on a background with the XYZ color 31.4270, 29.1839,

36.7776.

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

31.4270, 29.1839, 36.7776

Protanopia

28.5668, 29.2219, 38.7851

Deuteranopia

29.7043, 29.1815, 36.4148



Tritanopia

30.6899, 29.0975, 33.2770

Trichromacy



Original Color

31.4270, 29.1839, 36.7776

Protanomaly

29.4809, 29.0259, 38.2312

Deuteranomaly

30.3418, 29.2882, 36.4018

Tritanomaly

30.9367, 29.1963, 34.5767

Monochromacy



Original Color

31.4270, 29.1839, 36.7776

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.7390, 29.9256, 34.3458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4270, 29.1839, 36.7776 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(167, 139, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 139, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.4270, 29.1839, 36.7776 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, 159) }
```


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

```
.border{ border-color:rgb(167, 139, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 139, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 139, 159);  
box-shadow:4px 4px 4px 4px rgb(167, 139,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4270, 29.1839, 36.7776 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, 159) }
```

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

```
.background{ background-color: rgb(167,  
139, 159) }
```

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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