

Converting Colors

XYZ(31.2459, 27.4658, 42.1778)

Have a look what the booklet for
XYZ(31.2459, 27.4658, 42.1778)
contains.

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Color

**XYZ(31.3278, 27.5498,
42.1946)**

Conversions

Conversions Part 1

Format	Color
Hex	A684AB
RGB	166, 132, 171
RGB Percent	65%, 52%, 67%
CMY	0.3490, 0.4823, 0.3294
CMYK	0.03, 0.23, 0.00, 0.33
HSL	292°, 19%, 59%
HSV	292°, 23%, 67%
XYZ	31.3278, 27.5498, 42.1946
YIQ	146.6120, 7.7450, 19.3370

Conversions

Conversions Part 2

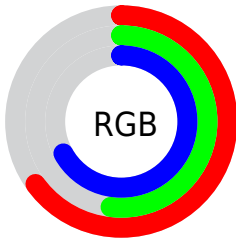
Format	Color
RYB	166, 132, 171
Decimal	10912939
CIELab	59.48, 20.04, -15.68
CIElCh	59, 25.441, 321.966
Yxy	27.5498, 0.3100, 0.2726
Android (android.graphics.Color)	4289103019 (0xFFA684AB)
YUV	146.6120, 12.0233, 17.0033
Hunter-Lab	52.4879, 14.6852, -10.9212

Details

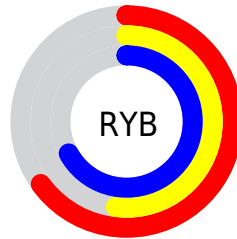
The XYZ color **31.3278, 27.5498, 42.1946** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.0454, 36.1109, 27.2704**, and the grayscale version is **27.5236, 28.9569, 31.5341**.

A 20% lighter version of the original color is **60.8952, 55.5611, 79.4663**, and **13.2865, 10.9439, 18.8649** is the 20% darker color. If you saturate the color by 10%, you get **28.7409, 23.0520, 41.4632**, and if you desaturate by 10%, it is **34.3043, 32.8142, 43.0543**.

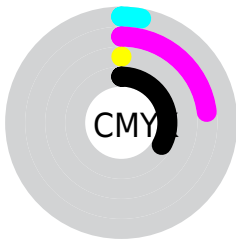
Distribution



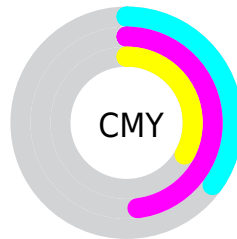
- Red (65%)
- Green (52%)
- Blue (67%)



- Red (65%)
- Yellow (52%)
- Blue (67%)



- Cyan (3%)
- Magenta (23%)
- Yellow (0%)
- Black (33%)



- Cyan (35%)
- Magenta (48%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3278, 27.5498, 42.1946 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 31.3278, 27.5498, 42.1946 by changing the saturation by 10% instead.

■ 31.3278, 27.5498,
42.1946

■ 31.3278, 27.5498,
42.1946

299.8456,
290.3094, 371.1124

■ 21.0016, 17.9866,
28.9270

■ 61.1281, 55.7649,
79.7673

■ 13.2377, 10.9403,
18.7805

■ 81.3330, 75.1855,
104.9095

■ 7.6705, 6.0267,
11.3366

■ 105.5615, 98.6607,
134.8470

■ 3.9349, 2.8613,
6.1767

134.1790,
126.5749, 169.9983

■ 1.6654, 1.0598,
2.8823

167.5508,
159.3125, 210.7819

■ 0.4344, 0.0000,
1.0348

206.0422,

■ 0.0000, 0.0000,

197.2578, 257.6165

0.0000

250.0187,
240.7953, 310.9205

■ 31.3278, 27.5498,
42.1946

■ 31.3278, 27.5498,
42.1946

■ 28.7409, 23.0520,
41.4632

■ 34.3043, 32.8142,
43.0543

■ 26.5225, 19.2802,
40.8521

■ 37.6852, 38.8761,
44.0461

■ 24.6535, 16.1955,
40.3552

■ 41.4875, 45.7691,
45.1762

■ 23.1117, 13.7539,
39.9652

■ 45.7266, 53.5238,
46.4496

■ 21.8725, 11.9063,
39.6738

■ 50.4169, 62.1692,
47.8711

■ 20.9079, 10.5963,
39.4718

■ 55.5724, 71.7330,
49.4454

■ 20.1843, 9.7569,
39.3480

■ 61.2063, 82.2416,
51.1768

■ 19.7591, 9.3370,
39.2893

■ 62.7681, 84.5940,
51.5486

■ 63.2957, 84.8660,
51.5733

Harmonies

Analogous

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



28.5509, 27.5498, 49.4496



31.3278, 27.5498, 42.1946



32.7510, 27.5498, 32.5237

Triad

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



31.3278, 27.5498, 42.1946



27.0532, 27.5498, 15.7314



20.8914, 27.5498, 37.0706

Complementary

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



31.3278, 27.5498, 42.1946



29.0454, 36.1109, 27.2704

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.



20.5615, 27.5498, 27.6048



31.3278, 27.5498, 42.1946



23.9540, 27.5498, 16.4607

Square

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



31.3278, 27.5498, 42.1946



30.1554, 27.5498, 18.1644



21.6387, 27.5498, 20.4108



22.5798, 27.5498, 46.0971

Rectangle

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



31.3278, 27.5498, 42.1946



32.6661, 27.5498, 26.4954



21.6387, 27.5498, 20.4108



20.6238, 27.5498, 33.7944

Sweetspot

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



31.3286, 27.5510, 42.1952



64.7858, 64.7566, 78.0866



25.8417, 25.7954, 42.1455



14.3701, 14.3021, 17.3909



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.



31.3286, 27.5510, 42.1952



53.8576, 45.4109, 74.9285



31.1070, 27.5858, 35.4501



8.2345, 8.0952, 10.0812



14.9263, 7.0546, 29.6195



0.4428, 0.2105, 0.8253

Inverse Universe

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



29.5622, 26.9679, 27.3156



50.2107, 44.2175, 43.7356



29.2913, 36.1168, 32.7452



8.0455, 8.0314, 8.5504



12.7807, 6.5748, 1.2246



0.3683, 0.1880, 0.1014

Previews

White Background



This preview shows how the XYZ color 31.3278, 27.5498, 42.1946 looks on a white background.

Color Contrast Check

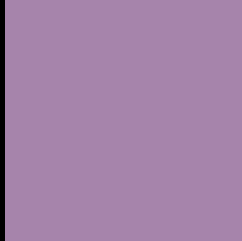
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3278, 27.5498, 42.1946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

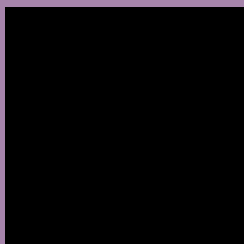
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3278, 27.5498, 42.1946

Background



This preview shows how black text looks on a background with the XYZ color 31.3278, 27.5498, 42.1946.



This preview shows how white text looks on a background with the XYZ color 31.3278, 27.5498,

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

31.3278, 27.5498, 42.1946

Protanopia

27.7006, 27.7113, 46.0083

Deuteranopia

28.2166, 27.6405, 41.3841



Tritanopia

29.1749, 27.5014, 31.3744

Trichromacy



Original Color

31.3278, 27.5498, 42.1946

Protanomaly

28.6804, 27.3831, 44.3313

Deuteranomaly

29.3382, 27.5659, 41.8047

Tritanomaly

29.9746, 27.6208, 35.2040

Monochromacy



Original Color

31.3278, 27.5498, 42.1946

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.0002, 28.6163, 35.4475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3278, 27.5498, 42.1946 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(166, 132, 171)` looks like.

```
.text, #text, p{  
    color:rgb(166, 132, 171)  
}
```

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(166, 132, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 132, 171) }
```

Border

The CSS property to change the border of an element to XYZ 31.3278, 27.5498, 42.1946 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(166, 132, 171) }
```


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

```
.border{ border-color:rgb(166, 132, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 132, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 132, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 132, 171);  
box-shadow:4px 4px 4px 4px rgb(166, 132,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3278, 27.5498, 42.1946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 132, 171) }
```

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

```
.background{ background-color: rgb(166,  
132, 171) }
```

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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