

Converting Colors

XYZ(31.7619, 27.2790, 40.8708)

Have a look what the booklet for
XYZ(31.7619, 27.2790, 40.8708)
contains.

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Color

**XYZ(31.7127, 27.1856,
40.6217)**

Conversions

Conversions Part 1

Format	Color
Hex	AB81A8
RGB	171, 129, 168
RGB Percent	67%, 51%, 66%
CMY	0.3294, 0.4941, 0.3412
CMYK	0.00, 0.25, 0.02, 0.33
HSL	304°, 20%, 59%
HSV	304°, 25%, 67%
XYZ	31.7127, 27.1856, 40.6217
YIQ	146.0040, 12.5130, 21.0330

Conversions

Conversions Part 2

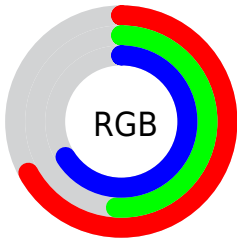
Format	Color
R _Y B	171, 129, 168
Decimal	11239848
CIE Lab	59.15, 22.89, -14.42
CIE LCh	59, 27.049, 327.794
Yxy	27.1856, 0.3187, 0.2732
Android (android.graphics.Color)	4289429928 (0xFFAB81A8)
YUV	146.0040, 10.8440, 21.9215
Hunter-Lab	52.1398, 17.3234, -9.6945

Details

The XYZ color **31.7127, 27.1856, 40.6217** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.7821, 35.4597, 27.2114**, and the grayscale version is **27.2773, 28.6979, 31.2520**.

A 20% lighter version of the original color is **61.7258, 55.1145, 77.1969**, and **13.4196, 10.7045, 17.8819** is the 20% darker color. If you saturate the color by 10%, you get **29.5330, 23.0070, 39.3366**, and if you desaturate by 10%, it is **34.2721, 32.1209, 42.0393**.

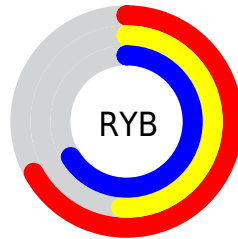
Distribution



Red (67%)

Green (51%)

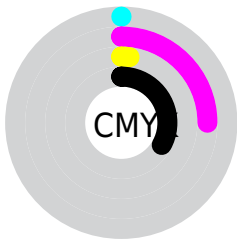
Blue (66%)



Red (67%)

Yellow (51%)

Blue (66%)

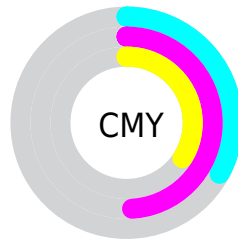


Cyan (0%)

Magenta (25%)

Yellow (2%)

Black (33%)



Cyan (33%)

Magenta (49%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7127, 27.1856, 40.6217 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 31.7127, 27.1856, 40.6217 by changing the saturation by 10% instead.

■ 31.7127, 27.1856,
40.6217

■ 31.7127, 27.1856,
40.6217

301.5770,
288.5546, 364.3667

■ 21.2966, 17.7127,
27.7061

■ 61.7287, 55.1816,
77.3567

■ 13.4547, 10.7439,
17.8672

■ 82.0593, 74.4734,
102.0132

■ 7.8215, 5.8949,
10.6862

■ 106.4254, 97.8069,
131.4205

■ 4.0318, 2.7813,
5.7447

135.1925,
125.5666, 165.9970

■ 1.7201, 1.0186,
2.6242

168.7258,
158.1368, 206.1614

■ 0.4688, 0.0000,
0.9049

207.3908,

■ 0.0000, 0.0000,

195.9020, 252.3321

0.0000

251.5527,
239.2464, 304.9277

■ 31.7127, 27.1856,
40.6217

■ 31.7127, 27.1856,
40.6217

■ 29.5330, 23.0070,
39.3366

■ 34.2721, 32.1209,
42.0393

■ 27.7118, 19.5441,
38.1759

■ 37.2260, 37.8441,
43.5934

■ 26.2294, 16.7573,
37.1334

■ 40.5918, 44.3893,
45.2901

■ 25.0636, 14.6018,
36.2016

■ 44.3849, 51.7872,
47.1345

■ 24.1892, 13.0275,
35.3722

■ 48.6198, 60.0672,
49.1315

■ 23.5773, 11.9765,
34.6356

■ 53.3105, 69.2570,
51.2858

■ 23.1929, 11.3788,
33.9799

■ 58.4704, 79.3834,
53.6019

■ 23.0342, 11.1538,
33.6422

■ 60.5679, 83.3833,
54.9025

■ 60.6909, 83.4325,
55.5504

Harmonies

Analogous

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



28.9767, 27.1856, 49.2167



31.7127, 27.1856, 40.6217



32.8626, 27.1856, 30.3199

Triad

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



31.7127, 27.1856, 40.6217



26.0891, 27.1856, 14.6708



20.5251, 27.1856, 39.1142

Complementary

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



31.7127, 27.1856, 40.6217



27.7821, 35.4597, 27.2114

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.



19.8952, 27.1856, 28.8925



31.7127, 27.1856, 40.6217



22.9366, 27.1856, 16.0424

Square

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



31.7127, 27.1856, 40.6217



29.4451, 27.1856, 16.5215



20.7396, 27.1856, 20.7782



22.5402, 27.1856, 48.2218

Rectangle

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



31.7127, 27.1856, 40.6217



32.5060, 27.1856, 24.2887



20.7396, 27.1856, 20.7782



20.1524, 27.1856, 35.6352

Sweetspot

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



31.7135, 27.1868, 40.6223



65.2434, 65.0097, 77.3350



24.6866, 23.5316, 41.7695



14.4802, 14.3630, 17.2099



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.



31.7135, 27.1868, 40.6223



54.7798, 44.8170, 71.5824



29.9280, 26.4726, 31.2196



8.3120, 8.1381, 9.9539



17.3724, 8.4115, 25.4040



0.4905, 0.2369, 0.7445

Inverse Universe

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



31.7135, 27.1868, 40.6223



54.7798, 44.8170, 71.5824



29.3504, 36.0870, 35.4700



8.3120, 8.1381, 9.9539



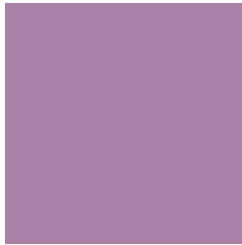
17.3724, 8.4115, 25.4040



0.4905, 0.2369, 0.7445

Previews

White Background



This preview shows how the XYZ color 31.7127, 27.1856, 40.6217 looks on a white background.

Color Contrast Check

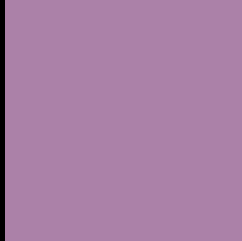
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7127, 27.1856, 40.6217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

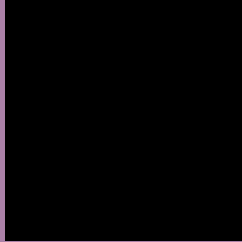
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7127, 27.1856, 40.6217

Background



This preview shows how black text looks on a background with the XYZ color 31.7127, 27.1856, 40.6217.



This preview shows how white text looks on a background with the XYZ color 31.7127, 27.1856,

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

31.7127, 27.1856, 40.6217

Protanopia

27.1929, 27.2527, 44.9014

Deuteranopia

27.7926, 27.2382, 39.8691



Tritanopia

29.5700, 27.1135, 30.0605

Trichromacy



Original Color

31.7127, 27.1856, 40.6217

Protanomaly

28.5211, 27.1115, 43.2650

Deuteranomaly

28.9655, 26.9880, 40.2418

Tritanomaly

30.3632, 27.2375, 33.7940

Monochromacy



Original Color

31.7127, 27.1856, 40.6217

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.7284, 28.0578, 34.4734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7127, 27.1856, 40.6217 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, 129, 168)` looks like.

```
.text, #text, p{  
    color:rgb(171, 129, 168)  
}
```

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, 129, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 129, 168) }
```

Border

The CSS property to change the border of an element to XYZ 31.7127, 27.1856, 40.6217 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, 129, 168) }
```


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

```
.border{ border-color:rgb(171, 129, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 129, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 129, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 129, 168);  
box-shadow:4px 4px 4px 4px rgb(171, 129,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7127, 27.1856, 40.6217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 129, 168) }
```

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

```
.background{ background-color: rgb(171,  
129, 168) }
```

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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