

Converting Colors

XYZ(31.8099, 27.0913, 38.3287)

Have a look what the booklet for
XYZ(31.8099, 27.0913, 38.3287)
contains.

XYZ(31.7856, 27.0814, 38.2023)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.7856, 27.0814,
38.2023)**

Conversions

Conversions Part 1

Format	Color
Hex	AE80A3
RGB	174, 128, 163
RGB Percent	68%, 50%, 64%
CMY	0.3176, 0.4980, 0.3608
CMYK	0.00, 0.26, 0.06, 0.32
HSL	314°, 22%, 59%
HSV	314°, 26%, 68%
XYZ	31.7856, 27.0814, 38.2023
YIQ	145.7440, 16.1810, 20.6370

Conversions

Conversions Part 2

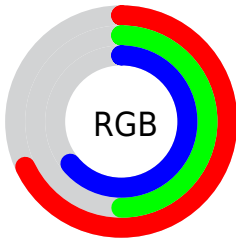
Format	Color
RYB	174, 128, 163
Decimal	11436195
CIELab	59.05, 23.57, -11.66
CIELCh	59, 26.296, 333.666
Yxy	27.0814, 0.3275, 0.2790
Android (android.graphics.Color)	4289626275 (0xFFAE80A3)
YUV	145.7440, 8.5072, 24.7805
Hunter-Lab	52.0398, 17.9571, -7.0968

Details

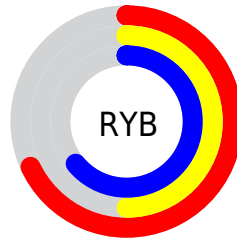
The XYZ color **31.7856, 27.0814, 38.2023** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.6995, 36.7262, 30.0040**, and the grayscale version is **27.1792, 28.5947, 31.1396**.

A 20% lighter version of the original color is **61.8119, 54.9327, 73.6749**, and **13.4788, 10.6614, 16.3864** is the 20% darker color. If you saturate the color by 10%, you get **29.3412, 22.7791, 35.5783**, and if you desaturate by 10%, it is **34.6331, 32.1694, 41.0218**.

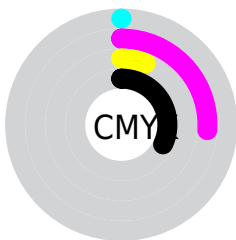
Distribution



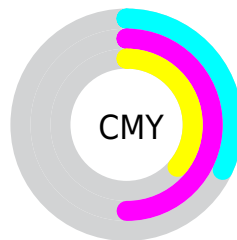
- Red (68%)
- Green (50%)
- Blue (64%)



- Red (68%)
- Yellow (50%)
- Blue (64%)



- Cyan (0%)
- Magenta (26%)
- Yellow (6%)
- Black (32%)





- Cyan (32%)
- Magenta (50%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7856, 27.0814, 38.2023 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 31.7856, 27.0814, 38.2023 by changing the saturation by 10% instead.


 31.7856, 27.0814,
38.2023


 31.7856, 27.0814,
38.2023

301.9041,
288.0510, 353.8112


 21.3525, 17.6344,
25.8367


 61.8423, 55.0145,
73.6250

 13.4959, 10.6878,
16.4768


 82.1966, 74.2693,
97.5191

 7.8502, 5.8573,
9.7042


 106.5888, 97.5621,
126.0932

 4.0503, 2.7585,
5.1002

135.3841,
125.2775, 159.7657

 1.7306, 1.0070,
2.2464

168.9479,
157.7996, 198.9552

 0.4753, 0.0000,
0.7010

207.6456,

 0.0000, 0.0000,

195.5130, 244.0802

0.0000

251.8426,
238.8020, 295.5594

■ 31.7856, 27.0814,
38.2023

■ 31.7856, 27.0814,
38.2023

■ 29.3412, 22.7791,
35.5783

■ 34.6331, 32.1694,
41.0218

■ 27.2775, 19.2191,
33.1409

■ 37.8998, 38.0764,
44.0418

■ 25.5735, 16.3594,
30.8828

■ 41.6039, 44.8382,
47.2692

■ 24.2053, 14.1522,
28.7955

■ 45.7617, 52.4873,
50.7101

■ 23.1460, 12.5438,
26.8692

■ 50.3889, 61.0546,
54.3703

■ 22.3642, 11.4718,
25.0931

■ 55.5001, 70.5696,
58.2550

■ 21.8173, 10.8511,
23.4522

■ 61.1095, 81.0603,
62.3697

■ 21.6473, 10.6754,
22.8892

■ 63.2127, 84.5175,
65.3799

■ 63.6939, 84.7100,
67.9144

Harmonies

Analogous

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



29.3790, 27.0814, 47.1226



31.7856, 27.0814, 38.2023



32.5263, 27.0814, 28.3524

Triad

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



31.7856, 27.0814, 38.2023



25.3408, 27.0814, 14.9390



20.8612, 27.0814, 40.6177

Complementary

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



31.7856, 27.0814, 38.2023



28.6995, 36.7262, 30.0040

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.



19.9702, 27.0814, 30.6516



31.7856, 27.0814, 38.2023



22.4148, 27.0814, 16.9129

Square

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



31.7856, 27.0814, 38.2023



28.6262, 27.0814, 16.1317



20.5142, 27.0814, 22.2096



23.0547, 27.0814, 48.7114

Rectangle

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



31.7856, 27.0814, 38.2023



31.9280, 27.0814, 22.8435



20.5142, 27.0814, 22.2096



20.4082, 27.0814, 37.3079

Sweetspot

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



31.7864, 27.0826, 38.2029



67.6792, 67.1293, 78.9254



25.9634, 23.9618, 43.3015



14.8400, 14.5532, 17.3578



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.7864, 27.0826, 38.2029



54.8531, 44.1741, 66.3355



29.9290, 26.3397, 28.4221



8.2539, 8.1148, 9.6480



15.7248, 7.7524, 16.7278



0.4570, 0.2235, 0.5685

Inverse Universe

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



31.7864, 27.0826, 38.2029



54.8531, 44.1741, 66.3355



30.5370, 37.4612, 39.6803



8.2539, 8.1148, 9.6480



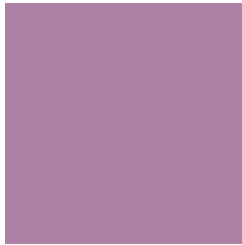
15.7248, 7.7524, 16.7278



0.4570, 0.2235, 0.5685

Previews

White Background



This preview shows how the XYZ color 31.7856, 27.0814, 38.2023 looks on a white background.

Color Contrast Check

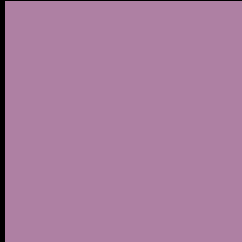
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7856, 27.0814, 38.2023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

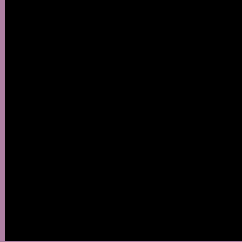
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7856, 27.0814, 38.2023

Background



This preview shows how black text looks on a background with the XYZ color 31.7856, 27.0814, 38.2023.



This preview shows how white text looks on a background with the XYZ color 31.7856, 27.0814,

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

31.7856, 27.0814, 38.2023

Protanopia

27.1246, 27.2626, 42.8623

Deuteranopia

27.6983, 27.2415, 37.5165



Tritanopia

29.9283, 27.1134, 29.2472

Trichromacy



Original Color

31.7856, 27.0814, 38.2023

Protanomaly

28.5433, 26.9569, 41.2349

Deuteranomaly

29.0902, 27.1047, 37.8809

Tritanomaly

30.6346, 27.2053, 32.4907

Monochromacy



Original Color

31.7856, 27.0814, 38.2023

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.6104, 27.8002, 33.5638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7856, 27.0814, 38.2023 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(174, 128, 163)` looks like.

```
.text, #text, p{  
    color:rgb(174, 128, 163)  
}
```

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(174, 128, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 128, 163) }
```

Border

The CSS property to change the border of an element to XYZ 31.7856, 27.0814, 38.2023 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(174, 128, 163) }
```


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

```
.border{ border-color:rgb(174, 128, 163) }
```

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

Here you see how a box with a 4 pixel rgb(174, 128, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 128, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 128, 163);  
box-shadow:4px 4px 4px 4px rgb(174, 128,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7856, 27.0814, 38.2023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 128, 163) }
```

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

```
.background{ background-color: rgb(174,  
128, 163) }
```

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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