

Converting Colors

XYZ(31.8537, 28.8184, 44.5683)

Have a look what the booklet for
XYZ(31.8537, 28.8184, 44.5683)
contains.

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Color

**XYZ(31.7878, 28.7730,
44.4358)**

Conversions

Conversions Part 1

Format	Color
Hex	A389AF
RGB	163, 137, 175
RGB Percent	64%, 54%, 69%
CMY	0.3608, 0.4627, 0.3137
CMYK	0.07, 0.22, 0.00, 0.31
HSL	281°, 19%, 61%
HSV	281°, 22%, 69%
XYZ	31.7878, 28.7730, 44.4358
YIQ	149.1060, 3.2980, 17.3300

Conversions

Conversions Part 2

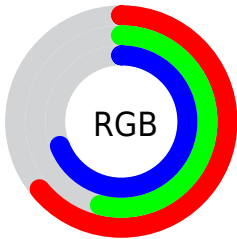
Format	Color
RYB	163, 137, 175
Decimal	10717615
CIELab	60.58, 16.98, -16.31
CIELCh	61, 23.544, 316.138
Yxy	28.7730, 0.3028, 0.2740
Android (android.graphics.Color)	4288907695 (0xFFA389AF)
YUV	149.1060, 12.7657, 12.1850
Hunter-Lab	53.6405, 11.9098, -11.5675

Details

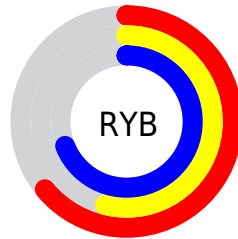
The XYZ color **31.7878, 28.7730, 44.4358** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **32.2407, 38.8564, 29.4690**, and the grayscale version is **28.5594, 30.0467, 32.7209**.

A 20% lighter version of the original color is **61.7507, 57.5019, 83.4457**, and **13.4766, 11.6010, 19.9413** is the 20% darker color. If you saturate the color by 10%, you get **28.3924, 23.6250, 43.6215**, and if you desaturate by 10%, it is **35.6380, 34.7559, 45.3881**.

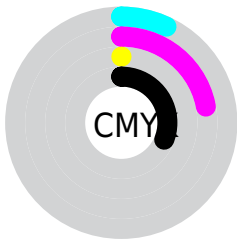
Distribution



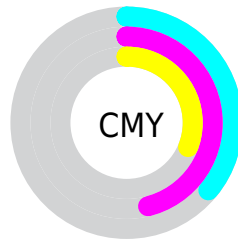
- Red (64%)
- Green (54%)
- Blue (69%)



- Red (64%)
- Yellow (54%)
- Blue (69%)



- Cyan (7%)
- Magenta (22%)
- Yellow (0%)
- Black (31%)



- Cyan (36%)
- Magenta (46%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7878, 28.7730, 44.4358 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 31.7878, 28.7730, 44.4358 by changing the saturation by 10% instead.

■ 31.7878, 28.7730,
44.4358

■ 31.7878, 28.7730,
44.4358

301.9140,
296.1424, 380.5770

■ 21.3542, 18.9092,
30.6736

■ 61.8457, 57.7162,
83.1826

■ 13.4971, 11.6047,
20.0940

■ 82.2008, 77.5644,
109.0042

■ 7.8511, 6.4751,
12.2787

■ 106.5937,
101.5095, 139.6827

■ 4.0508, 3.1361,
6.8089

135.3899,
129.9359, 175.6365

■ 1.7309, 1.2032,
3.2663

168.9546,
163.2280, 217.2844

■ 0.4755, 0.0643,
1.2321

207.6533,

■ 0.0000, 0.0000,

201.7702, 265.0447

0.0052

251.8513,
245.9469, 319.3361

■ 0.0000, 0.0000,
0.0000

■ 31.7878, 28.7730,
44.4358

■ 31.7878, 28.7730,
44.4358

■ 28.3924, 23.6250,
43.6215

■ 35.6380, 34.7559,
45.3881

■ 25.4289, 19.2690,
42.9369

■ 39.9589, 41.6066,
46.4827

■ 22.8767, 15.6640,
42.3756

■ 44.7691, 49.3606,
47.7259

■ 20.7121, 12.7635,
41.9298

■ 50.0852, 58.0504,
49.1230

■ 18.9086, 10.5157,
41.5910

■ 55.9232, 67.7068,
50.6792

■ 17.4364, 8.8618,
41.3494

■ 62.2980, 78.3592,
52.3993

■ 16.2598, 7.7316,
41.1933

■ 67.7704, 87.1281,
53.8034

■ 15.4471, 7.0694,
41.1083

■ 69.2897, 87.9113,
53.8745

■ 70.8631, 88.7224,
53.9482

Harmonies

Analogous

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



29.0068, 28.7730, 50.3428



31.7878, 28.7730, 44.4358



33.4318, 28.7730, 35.5182

Triad

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



31.7878, 28.7730, 44.4358



28.7740, 28.7730, 17.7121



22.1030, 28.7730, 36.2218

Complementary

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



31.7878, 28.7730, 44.4358



32.2407, 38.8564, 29.4690

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.



22.0508, 28.7730, 27.4827



31.7878, 28.7730, 44.4358



25.7534, 28.7730, 17.8302

Square

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



31.7878, 28.7730, 44.4358



31.6065, 28.7730, 20.7323



23.3419, 28.7730, 21.0918



23.4901, 28.7730, 45.0326

Rectangle

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



31.7878, 28.7730, 44.4358



33.5885, 28.7730, 29.5710



23.3419, 28.7730, 21.0918



21.9324, 28.7730, 33.1552

Sweetspot

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



31.7887, 28.7742, 44.4364



67.2720, 67.6824, 82.1553



28.8082, 29.9202, 44.8147



14.8531, 14.8867, 18.2349



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.



31.7887, 28.7742, 44.4364



53.9516, 46.9832, 78.8620



33.6967, 29.8349, 41.0454



8.0873, 8.0193, 10.0743



11.1278, 5.0965, 29.4417



0.3628, 0.1692, 0.8215

Inverse Universe

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



32.0506, 29.1764, 32.3774



54.5793, 47.8768, 53.1412



30.6790, 37.9917, 32.0896



8.1056, 8.0555, 8.8667



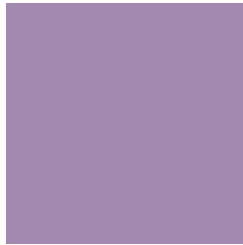
13.1841, 6.7362, 3.3491



0.3919, 0.1975, 0.2256

Previews

White Background



This preview shows how the XYZ color 31.7878, 28.7730, 44.4358 looks on a white background.

Color Contrast Check

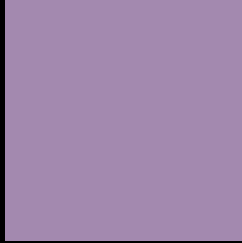
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7878, 28.7730, 44.4358 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 31.7878, 28.7730, 44.4358

Background



This preview shows how black text looks on a background with the XYZ color 31.7878, 28.7730, 44.4358.



This preview shows how white text looks on a background with the XYZ color 31.7878, 28.7730,

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

31.7878, 28.7730, 44.4358

Protanopia

28.8449, 28.9494, 47.2475

Deuteranopia

29.4951, 28.9040, 44.0689



Tritanopia

29.6896, 28.7903, 33.6980

Trichromacy



Original Color

31.7878, 28.7730, 44.4358

Protanomaly

29.7415, 28.7634, 46.1038

Deuteranomaly

30.3017, 28.8780, 44.0213

Tritanomaly

30.4212, 28.8713, 37.2271

Monochromacy



Original Color

31.7878, 28.7730, 44.4358

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.6234, 29.5894, 36.4978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7878, 28.7730, 44.4358 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(163, 137, 175)` looks like.

```
.text, #text, p{  
    color:rgb(163, 137, 175)  
}
```

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(163, 137, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 137, 175) }
```

Border

The CSS property to change the border of an element to XYZ 31.7878, 28.7730, 44.4358 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(163, 137, 175) }
```


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

```
.border{ border-color:rgb(163, 137, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 137, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 137, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 137, 175);  
box-shadow:4px 4px 4px 4px rgb(163, 137,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7878, 28.7730, 44.4358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 137, 175) }
```

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

```
.background{ background-color: rgb(163,  
137, 175) }
```

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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