

Converting Colors

XYZ(31.8460, 28.5451, 68.7977)

Have a look what the booklet for
XYZ(31.8460, 28.5451, 68.7977)
contains.

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Color

**XYZ(31.7997, 28.4532,
68.7817)**

Conversions

Conversions Part 1

Format	Color
Hex	898AD8
RGB	137, 138, 216
RGB Percent	54%, 54%, 85%
CMY	0.4627, 0.4588, 0.1529
CMYK	0.37, 0.36, 0.00, 0.15
HSL	239°, 50%, 69%
HSV	239°, 37%, 85%
XYZ	31.7997, 28.4532, 68.7817
YIQ	146.5930, -25.6340, 24.0460

Conversions

Conversions Part 2

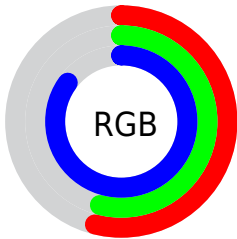
Format	Color
R _Y B	137, 138, 216
Decimal	9013976
CIE Lab	60.30, 18.25, -40.06
CIE LCh	60, 44.021, 294.487
Yxy	28.4532, 0.2464, 0.2205
Android (android.graphics.Color)	4287204056 (0xFF898AD8)
YUV	146.5930, 34.2177, -8.4131
Hunter-Lab	53.3415, 13.0655, -39.1129

Details

The XYZ color **31.7997, 28.4532, 68.7817** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **57.1357, 65.0071, 33.2046**, and the grayscale version is **27.4372, 28.8661, 31.4352**.

A 20% lighter version of the original color is **58.6731, 55.8191, 102.2895**, and **13.4900, 11.3917, 35.2060** is the 20% darker color. If you saturate the color by 10%, you get **25.8417, 21.2773, 67.7112**, and if you desaturate by 10%, it is **39.0693, 37.1981, 70.0870**.

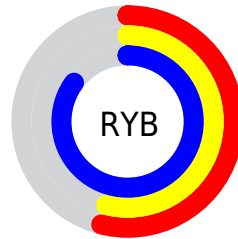
Distribution



Red (54%)

Green (54%)

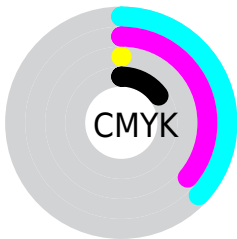
Blue (85%)



Red (54%)

Yellow (54%)

Blue (85%)

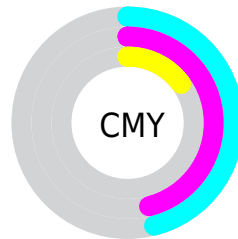


Cyan (37%)

Magenta (36%)

Yellow (0%)

Black (15%)



Cyan (46%)

Magenta (46%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7997, 28.4532, 68.7817 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 31.7997, 28.4532, 68.7817 by changing the saturation by 10% instead.

■ 31.7997, 28.4532,
68.7817

■ 31.7997, 28.4532,
68.7817

301.9673,
294.6262, 474.9337

■ 21.3634, 18.6676,
50.0633

■ 61.8643, 57.2072,
119.1345

■ 13.5038, 11.4303,
35.0922

■ 82.2232, 76.9443,
151.6060

■ 7.8558, 6.3571,
23.4498

■ 106.6204,
100.7674, 189.4988

■ 4.0538, 3.0634,
14.7175

135.4212,
129.0609, 233.2317

■ 1.7326, 1.1649,
8.4770

168.9909,
162.2091, 283.2231

■ 0.4766, 0.0328,
4.3095

207.6949,

■ 0.0000, 0.0000,

200.5965, 339.8915

1.7966

251.8986,
244.6074, 403.6556

■ 0.0000, 0.0000,
0.4257

■ 0.0000, 0.0000,
0.0000

■ 31.7997, 28.4532,
68.7817

■ 31.7997, 28.4532,
68.7817

■ 25.8417, 21.2773,
67.7112

■ 39.0693, 37.1981,
70.0870

■ 21.1144, 15.5746,
66.8596

■ 47.7187, 47.5939,
71.6377

■ 17.5327, 11.2439,
66.2125

■ 57.8155, 59.7204,
73.4462

■ 14.9993, 8.1699,
65.7526

■ 69.4215, 73.6515,
75.5235

■ 13.4012, 6.2185,
65.4602

■ 82.5952, 89.4567,
77.8799

■ 12.5964, 5.2236,
65.3106

■ 89.3948, 97.7379,
79.1199

■ 12.4244, 5.0172,
65.2798

Harmonies

Analogous

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



26.0139, 28.4532, 73.3974



31.7997, 28.4532, 68.7817



36.8822, 28.4532, 52.7879

Triad

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



31.7997, 28.4532, 68.7817



33.8558, 28.4532, 11.9336



17.6102, 28.4532, 28.0876

Complementary

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



31.7997, 28.4532, 68.7817



57.1357, 65.0071, 33.2046

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.



19.1321, 28.4532, 16.1979



31.7997, 28.4532, 68.7817



28.1008, 28.4532, 9.1891

Square

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



31.7997, 28.4532, 68.7817



38.1803, 28.4532, 19.7945



22.7876, 28.4532, 10.4205



18.3156, 28.4532, 45.7433

Rectangle

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



31.7997, 28.4532, 68.7817



38.9163, 28.4532, 40.0663



22.7876, 28.4532, 10.4205



17.8710, 28.4532, 23.3843

Sweetspot

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



31.8007, 28.4543, 68.7824



77.2653, 78.6477, 105.7160



47.0984, 59.3208, 73.0451



16.1087, 16.3183, 22.5507



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.8007, 28.4543, 68.7824



39.3495, 33.0546, 98.9140



39.0618, 31.9857, 69.0813



11.7551, 12.0336, 15.6407



7.3598, 2.9815, 38.6407



0.4484, 0.1889, 2.3321

Inverse Universe

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



41.8529, 34.3265, 28.4655



56.0832, 42.8652, 31.7912



47.3902, 60.3619, 32.8216



12.4296, 12.4233, 12.9364



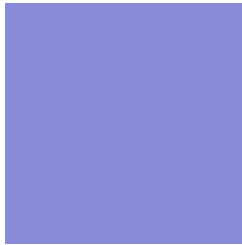
16.7738, 8.6458, 0.8468



1.0140, 0.5224, 0.0631

Previews

White Background



This preview shows how the XYZ color 31.7997, 28.4532, 68.7817 looks on a white background.

Color Contrast Check

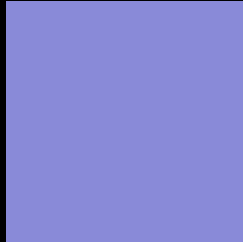
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7997, 28.4532, 68.7817 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 31.7997, 28.4532, 68.7817

Background



This preview shows how black text looks on a background with the XYZ color 31.7997, 28.4532, 68.7817.



This preview shows how white text looks on a background with the XYZ color 31.7997, 28.4532,

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

31.7997, 28.4532, 68.7817

Protanopia

30.2119, 28.6638, 71.6505

Deuteranopia

29.3092, 28.4977, 68.2458



Tritanopia

25.4926, 28.3532, 37.8473

Trichromacy



Original Color

31.7997, 28.4532, 68.7817

Protanomaly

30.7685, 28.5242, 70.9019

Deuteranomaly

30.1071, 28.4633, 68.1971

Tritanomaly

27.5191, 28.2541, 47.7192

Monochromacy



Original Color

31.7997, 28.4532, 68.7817

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.7473, 28.7647, 43.0667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7997, 28.4532, 68.7817 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(137, 138, 216)` looks like.

```
.text, #text, p{  
    color:rgb(137, 138, 216)  
}
```

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(137, 138, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 138, 216) }
```

Border

The CSS property to change the border of an element to XYZ 31.7997, 28.4532, 68.7817 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(137, 138, 216) }
```


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

```
.border{ border-color:rgb(137, 138, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 138, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 138, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 138, 216);  
box-shadow:4px 4px 4px 4px rgb(137, 138,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7997, 28.4532, 68.7817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 138, 216) }
```

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

```
.background{ background-color: rgb(137,  
138, 216) }
```

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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