

Converting Colors

XYZ(31.1023, 17.4389, 96.3345)

Have a look what the booklet for
XYZ(31.1023, 17.4389, 96.3345)
contains.

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Color

**XYZ(31.0800, 17.4741,
96.3425)**

Conversions

Conversions Part 1

Format	Color
Hex	8B49FF
RGB	139, 73, 255
RGB Percent	55%, 29%, 100%
CMY	0.4549, 0.7137, 0.0000
CMYK	0.45, 0.71, 0.00, 0.00
HSL	262°, 100%, 64%
HSV	262°, 71%, 100%
XYZ	31.0800, 17.4741, 96.3425
YIQ	113.4820, -19.0860, 70.5940

Conversions

Conversions Part 2

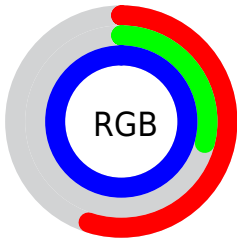
Format	Color
R _Y B	139, 73, 255
Decimal	9128447
CIE Lab	48.85, 64.94, -80.19
CIE LCh	49, 103.187, 308.998
Yxy	17.4741, 0.2145, 0.1206
Android (android.graphics.Color)	4287318527 (0xFF8B49FF)
YUV	113.4820, 69.7684, 22.3793
Hunter-Lab	41.8020, 59.5620, -107.3862

Details

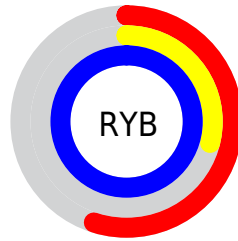
The XYZ color **31.0800, 17.4741, 96.3425** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **57.9478, 82.8193, 19.2350**, and the grayscale version is **15.6430, 16.4577, 17.9224**.

A 20% lighter version of the original color is **49.4588, 34.6781, 98.6945**, and **13.1112, 5.7900, 53.2499** is the 20% darker color. If you saturate the color by 10%, you get **27.2197, 13.4860, 95.7762**, and if you desaturate by 10%, it is **36.0316, 23.0434, 97.1565**.

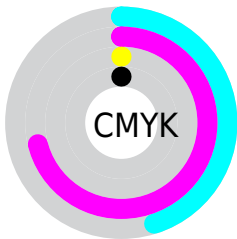
Distribution



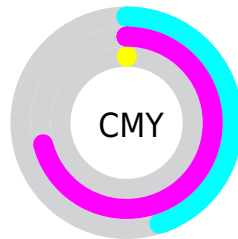
- Red (55%)
- Green (29%)
- Blue (100%)



- Red (55%)
- Yellow (29%)
- Blue (100%)



- Cyan (45%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0800, 17.4741, 96.3425 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 31.0800, 17.4741, 96.3425 by changing the saturation by 10% instead.

 31.0800, 17.4741,
96.3425


 31.0800, 17.4741,
96.3425


298.7270,
237.8899, 569.5477


 20.8119, 10.5731,
72.6498


 60.7410, 39.1391,
158.1295

 13.0983, 5.7806,
53.1996


 80.8646, 54.6720,
197.0609


 7.5737, 2.7121,
37.5733


 105.0041, 73.8508,
241.9090

 3.8729, 0.9833,
25.3524

 133.5248, 97.0602,
293.0922

 1.6305, 0.0000,
16.1184

 166.7921,
124.6843, 351.0291

 0.4122, 0.0000,
9.4527

205.1713,

 0.0000, 0.0000,

157.1077, 416.1383

4.9368

249.0278,
194.7148, 488.8384

■ 0.0000, 0.0000,
2.1521

■ 0.0000, 0.0000,
0.6466

■ 31.0800, 17.4741,
96.3425

■ 31.0800, 17.4741,
96.3425

■ 27.2197, 13.4860,
95.7762

■ 36.0316, 23.0434,
97.1565

■ 24.3405, 10.8888,
95.4266

■ 42.1635, 30.3507,
98.2438

■ 22.5116, 9.5201,
95.2588

■ 49.5571, 39.5347,
99.6268

■ 58.2856, 50.7195,
101.3256

■ 68.4161, 64.0180,
103.3585

■ 80.0107, 79.5347,
105.7425

■ 93.1280, 97.3671,
108.4931

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



19.6547, 17.4741, 132.8829



31.0800, 17.4741, 96.3425



40.3765, 17.4741, 44.8369

Triad

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



31.0800, 17.4741, 96.3425



24.1109, 17.4741, 0.0000



4.2607, 17.4741, 28.5116

Complementary

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



31.0800, 17.4741, 96.3425



57.9478, 82.8193, 19.2350

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.



4.6754, 17.4741, 5.7035



31.0800, 17.4741, 96.3425



13.8947, 17.4741, 0.0000

Square

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



31.0800, 17.4741, 96.3425



35.3955, 17.4741, 1.4021



7.5147, 17.4741, 0.2821



6.0231, 17.4741, 75.1522

Rectangle

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



31.0800, 17.4741, 96.3425



42.6208, 17.4741, 19.9619



7.5147, 17.4741, 0.2821



4.1711, 17.4741, 18.1204

Sweetspot

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



31.0809, 17.4746, 96.3425



68.8211, 64.5553, 103.4409



39.4941, 46.0292, 101.4107



14.0978, 12.9801, 22.0123



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.



31.0809, 17.4746, 96.3425



25.7726, 12.1242, 95.5896



52.3324, 28.4301, 97.3371



17.6249, 17.6984, 22.7371



11.9113, 5.0510, 49.7817



1.2744, 0.5509, 4.8524

Inverse Universe

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



52.8074, 29.6991, 51.0909



49.6458, 25.6172, 43.1269



42.2515, 74.7275, 18.5004



18.4967, 18.1820, 21.2328



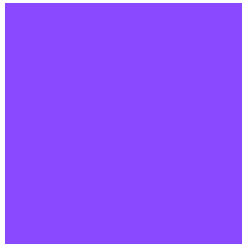
25.0549, 12.5112, 19.4713



2.4919, 1.2392, 2.1720

Previews

White Background



This preview shows how the XYZ color 31.0800, 17.4741, 96.3425 looks on a white background.

Color Contrast Check

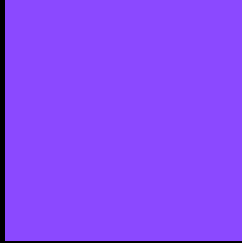
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.0800, 17.4741, 96.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

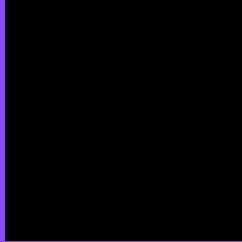
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.0800, 17.4741, 96.3425

Background



This preview shows how black text looks on a background with the XYZ color 31.0800, 17.4741, 96.3425.



This preview shows how white text looks on a background with the XYZ color 31.0800, 17.4741,

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

31.0800, 17.4741, 96.3425

Protanopia

20.9345, 17.6445, 81.6592

Deuteranopia

17.4959, 17.5533, 59.5927



Tritanopia

16.0710, 17.2931, 22.2295

Trichromacy



Original Color

31.0800, 17.4741, 96.3425



Protanomaly

21.9106, 15.9102, 86.7102



Deuteranomaly

19.4359, 15.5343, 71.7861



Tritanomaly

19.6677, 16.1760, 41.6208

Monochromacy



Original Color

31.0800, 17.4741, 96.3425



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

19.1853, 15.5896, 37.5952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0800, 17.4741, 96.3425 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(139, 73, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 73, 255)  
}
```

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(139, 73, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 73, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.0800, 17.4741, 96.3425 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(139, 73, 255) }
```


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

```
.border{ border-color:rgb(139, 73, 255) }
```

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

Here you see how a box with a 4 pixel rgb(139, 73, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 73, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 73, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 73,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0800, 17.4741, 96.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 73, 255) }
```

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

```
.background{ background-color: rgb(139, 73,  
255) }
```

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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