

Converting Colors

XYZ(31.2314, 16.9334, 96.2301)

Have a look what the booklet for
XYZ(31.2314, 16.9334, 96.2301)
contains.

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Color

**XYZ(31.1535, 16.8672,
96.2215)**

Conversions

Conversions Part 1

Format	Color
Hex	8E42FF
RGB	142, 66, 255
RGB Percent	56%, 26%, 100%
CMY	0.4431, 0.7412, 0.0000
CMYK	0.44, 0.74, 0.00, 0.00
HSL	264°, 100%, 63%
HSV	264°, 74%, 100%
XYZ	31.1535, 16.8672, 96.2215
YIQ	110.2700, -15.3730, 74.8910

Conversions

Conversions Part 2

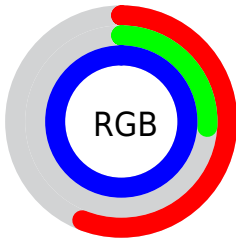
Format	Color
R _Y B	142, 66, 255
Decimal	9323263
CIE Lab	48.09, 68.48, -81.42
CIE LCh	48, 106.392, 310.066
Yxy	16.8672, 0.2160, 0.1169
Android (android.graphics.Color)	4287513343 (0xFF8E42FF)
YUV	110.2700, 71.3519, 27.8272
Hunter-Lab	41.0697, 63.5296, -110.1608

Details

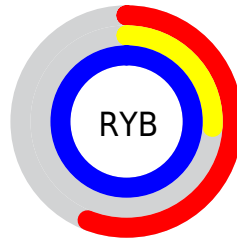
The XYZ color **31.1535, 16.8672, 96.2215** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **55.3327, 81.4965, 17.9683**, and the grayscale version is **14.7039, 15.4697, 16.8465**.

A 20% lighter version of the original color is **49.5160, 33.5913, 98.4817**, and **13.2199, 5.6509, 53.2173** is the 20% darker color. If you saturate the color by 10%, you get **27.5423, 13.2651, 95.7165**, and if you desaturate by 10%, it is **35.7875, 21.9813, 96.9643**.

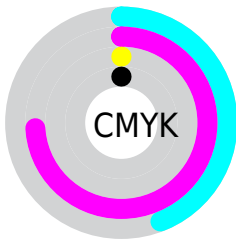
Distribution



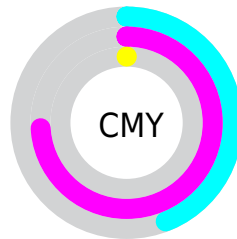
- Red (56%)
- Green (26%)
- Blue (100%)



- Red (56%)
- Yellow (26%)
- Blue (100%)



- Cyan (44%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (74%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1535, 16.8672, 96.2215 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 31.1535, 16.8672, 96.2215 by changing the saturation by 10% instead.

31.1535, 16.8672,
96.2215

31.1535, 16.8672,
96.2215

299.0591,
234.4059, 569.1521

20.8682, 10.1399,
72.5496

60.8559, 38.0973,
157.9611

13.1396, 5.4918,
53.1181

81.0036, 53.3689,
196.8659

7.6024, 2.5386,
37.5087

105.1695, 72.2573,
241.6854

3.8913, 0.8959,
25.3027

133.7189, 95.1469,
292.8381

1.6408, 0.0000,
16.0817

167.0173,
122.4222, 350.7426

0.4188, 0.0000,
9.4270

205.4298,

0.0000, 0.0000,

154.4676, 415.8174

4.9201

249.3220,
191.6673, 488.4810

■ 0.0000, 0.0000,
2.1426

■ 0.0000, 0.0000,
0.6409

■ 31.1535, 16.8672,
96.2215

■ 31.1535, 16.8672,
96.2215

■ 27.5423, 13.2651,
95.7165

■ 35.7875, 21.9813,
96.9643

■ 24.8412, 10.9746,
95.4168

■ 41.5335, 28.7695,
97.9717

■ 23.5916, 10.0768,
95.3093

■ 48.4729, 37.3737,
99.2668

■ 56.6776, 47.9199,
100.8700

■ 66.2135, 60.5226,
102.8000

■ 77.1418, 75.2872,
105.0738

■ 89.5195, 92.3116,
107.7075

■ 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.



19.4919, 16.8672, 135.7528



31.1535, 16.8672, 96.2215



40.5091, 16.8672, 43.0372

Triad

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



31.1535, 16.8672, 96.2215



23.2122, 16.8672, 0.0000



3.8359, 16.8672, 29.2847

Complementary

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



31.1535, 16.8672, 96.2215



55.3327, 81.4965, 17.9683

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.



4.1625, 16.8672, 5.5670



31.1535, 16.8672, 96.2215



13.0074, 16.8672, 0.0000

Square

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



31.1535, 16.8672, 96.2215



34.7952, 16.8672, 1.0100



6.8207, 16.8672, 0.1046



5.6240, 16.8672, 78.0405

Rectangle

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



31.1535, 16.8672, 96.2215



42.6029, 16.8672, 18.3045



6.8207, 16.8672, 0.1046



3.7270, 16.8672, 18.4266

Sweetspot

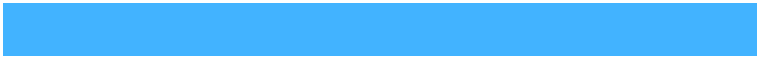
The Sweet Spot groups the original color and five complimentary colors.



31.1544, 16.8677, 96.2215



68.4095, 63.4653, 103.2522



36.4972, 40.7791, 100.5553



14.0429, 12.7814, 21.9769



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.



31.1544, 16.8677, 96.2215



26.1176, 11.9972, 95.5469



54.6235, 28.9664, 97.3198



17.6944, 17.7342, 22.7404



12.4848, 5.3466, 49.8086



1.3351, 0.5822, 4.8553

Inverse Universe

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



51.3245, 28.4109, 45.4242



48.3333, 24.7636, 37.2286



40.4806, 73.8400, 17.2733



18.4653, 18.1694, 21.0675



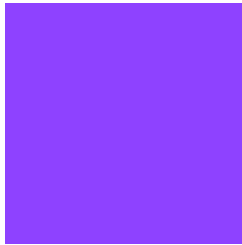
24.6055, 12.3315, 17.1048



2.4498, 1.2223, 1.9501

Previews

White Background



This preview shows how the XYZ color 31.1535, 16.8672, 96.2215 looks on a white background.

Color Contrast Check

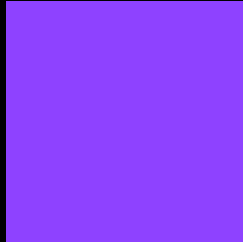
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1535, 16.8672, 96.2215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

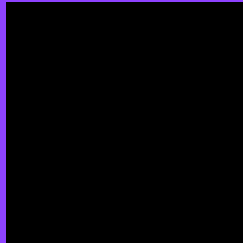
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.1535, 16.8672, 96.2215

Background



This preview shows how black text looks on a background with the XYZ color 31.1535, 16.8672, 96.2215.



This preview shows how white text looks on a background with the XYZ color 31.1535, 16.8672,

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

31.1535, 16.8672, 96.2215

Protanopia

20.1414, 16.9781, 78.5595

Deuteranopia

16.7866, 16.8927, 57.0195



Tritanopia

16.0229, 16.7797, 21.1332

Trichromacy



Original Color

31.1535, 16.8672, 96.2215



Protanomaly

21.1471, 15.0267, 84.2240



Deuteranomaly

18.7021, 14.6327, 69.5488



Tritanomaly

19.6514, 15.6272, 40.5087

Monochromacy



Original Color

31.1535, 16.8672, 96.2215



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

18.6396, 14.7873, 36.5222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1535, 16.8672, 96.2215 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(142, 66, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 66, 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(142, 66, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 66, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.1535, 16.8672, 96.2215 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(142, 66, 255) }
```


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

```
.border{ border-color:rgb(142, 66, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 66, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 66, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 66, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 66,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1535, 16.8672, 96.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 66, 255) }
```

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

```
.background{ background-color: rgb(142, 66,  
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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