

Converting Colors

XYZ(31.5979, 17.5495, 96.3297)

Have a look what the booklet for
XYZ(31.5979, 17.5495, 96.3297)
contains.

XYZ(31.6309, 17.5661, 96.3312)	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(31.6309, 17.5661,
96.3312)**

Conversions

Conversions Part 1

Format	Color
Hex	8F47FF
RGB	143, 71, 255
RGB Percent	56%, 28%, 100%
CMY	0.4392, 0.7216, 0.0000
CMYK	0.44, 0.72, 0.00, 0.00
HSL	263°, 100%, 64%
HSV	263°, 72%, 100%
XYZ	31.6309, 17.5661, 96.3312
YIQ	113.5040, -16.1520, 72.4880

Conversions

Conversions Part 2

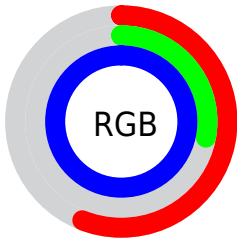
Format	Color
R _Y B	143, 71, 255
Decimal	9390079
CIE Lab	48.97, 66.47, -79.99
CIE LCh	49, 104.002, 309.726
Yxy	17.5661, 0.2174, 0.1207
Android (android.graphics.Color)	4287580159 (0xFF8F47FF)
YUV	113.5040, 69.7575, 25.8680
Hunter-Lab	41.9119, 61.3679, -106.9349

Details

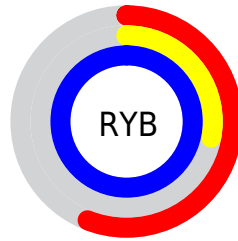
The XYZ color **31.6309, 17.5661, 96.3312** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **56.4247, 82.0417, 18.8230**, and the grayscale version is **15.6489, 16.4638, 17.9291**.

A 20% lighter version of the original color is **50.2855, 34.7246, 98.6599**, and **13.4406, 5.8452, 53.2432** is the 20% darker color. If you saturate the color by 10%, you get **27.8322, 13.6844, 95.7822**, and if you desaturate by 10%, it is **36.4829, 22.9999, 97.1243**.

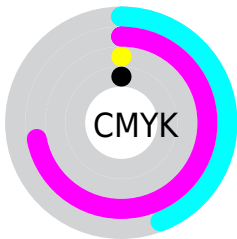
Distribution



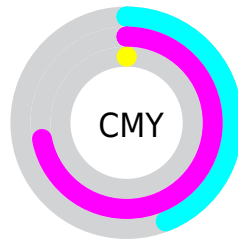
- Red (56%)
- Green (28%)
- Blue (100%)



- Red (56%)
- Yellow (28%)
- Blue (100%)



- Cyan (44%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6309, 17.5661, 96.3312 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 31.6309, 17.5661, 96.3312 by changing the saturation by 10% instead.

31.6309, 17.5661,
96.3312

31.6309, 17.5661,
96.3312

301.2097,
238.4139, 569.5108

21.2339, 10.6389,
72.6404

61.6011, 39.2966,
158.1138

13.4085, 5.8246,
53.1920

81.9051, 54.8686,
197.0427

7.7894, 2.7387,
37.5673

106.2420, 74.0912,
241.8881

4.0111, 0.9969,
25.3478

134.9774, 97.3485,
293.0685

1.7084, 0.0000,
16.1150

168.4764,
125.0250, 351.0024

0.4615, 0.0000,
9.4503

207.1046,

0.0000, 0.0000,

157.5052, 416.1084

4.9353

251.2273,
195.1733, 488.8050

■ 0.0000, 0.0000,
2.1512

■ 0.0000, 0.0000,
0.6460

■ 31.6309, 17.5661,
96.3312

■ 31.6309, 17.5661,
96.3312

■ 27.8322, 13.6844,
95.7822

■ 36.4829, 22.9999,
97.1243

■ 24.9775, 11.1626,
95.4459

■ 42.4756, 30.1432,
98.1873

■ 23.2822, 9.9173,
95.2949

■ 49.6892, 39.1350,
99.5426

■ 58.1951, 50.0991,
101.2106

68.0589, 63.1483,
103.2095

79.3415, 78.3868,
105.5562

92.0997, 95.9117,
108.2664

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.



20.0400, 17.5661, 134.3553



31.6309, 17.5661, 96.3312



40.9321, 17.5661, 44.1649

Triad

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



31.6309, 17.5661, 96.3312



24.0075, 17.5661, 0.0000



4.2535, 17.5661, 29.6122

Complementary

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



31.6309, 17.5661, 96.3312



56.4247, 82.0417, 18.8230

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.



4.6192, 17.5661, 5.9678



31.6309, 17.5661, 96.3312



13.7465, 17.5661, 0.0000

Square

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



31.6309, 17.5661, 96.3312



35.4800, 17.5661, 1.2855



7.4055, 17.5661, 0.3100



6.0862, 17.5661, 77.3799

Rectangle

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



31.6309, 17.5661, 96.3312



43.0632, 17.5661, 19.3827



7.4055, 17.5661, 0.3100



4.1470, 17.5661, 18.8725

Sweetspot

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



31.6318, 17.5666, 96.3313



68.2247, 63.3700, 103.2436



37.8862, 43.0348, 100.9175



13.9996, 12.7590, 21.9748



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.



31.6318, 17.5666, 96.3313



26.3391, 12.3067, 95.5950



54.0819, 29.1401, 97.3819



17.6753, 17.7244, 22.7395



12.3208, 5.2621, 49.8009



1.3179, 0.5733, 4.8545

Inverse Universe

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



52.0400, 29.1852, 47.6878



48.8730, 25.1901, 39.4218



41.3578, 74.2744, 18.1179



18.4739, 18.1729, 21.1127



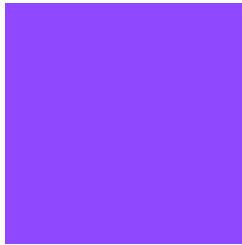
24.7250, 12.3793, 17.7341



2.4611, 1.2268, 2.0094

Previews

White Background



This preview shows how the XYZ color 31.6309, 17.5661, 96.3312 looks on a white background.

Color Contrast Check

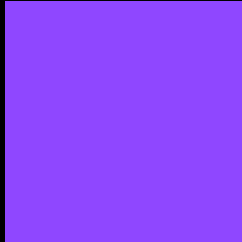
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6309, 17.5661, 96.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

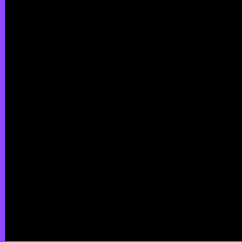
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6309, 17.5661, 96.3312

Background



This preview shows how black text looks on a background with the XYZ color 31.6309, 17.5661, 96.3312.



This preview shows how white text looks on a background with the XYZ color 31.6309, 17.5661,

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

31.6309, 17.5661, 96.3312

Protanopia

20.9345, 17.6445, 81.6592

Deuteranopia

17.4959, 17.5533, 59.5927



Tritanopia

16.6292, 17.4162, 21.8872

Trichromacy



Original Color

31.6309, 17.5661, 96.3312



Protanomaly

21.8685, 15.7505, 86.6816



Deuteranomaly

19.4868, 15.5605, 71.7885



Tritanomaly

20.1719, 16.3039, 41.1135

Monochromacy



Original Color

31.6309, 17.5661, 96.3312



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

19.6167, 15.8120, 37.6154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6309, 17.5661, 96.3312 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(143, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 71, 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(143, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 71, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.6309, 17.5661, 96.3312 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(143, 71, 255) }
```


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

```
.border{ border-color:rgb(143, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 71, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 71, 255); box-shadow:4px 4px 4px 4px rgb(143, 71, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6309, 17.5661, 96.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 71, 255) }
```

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

```
.background{ background-color: rgb(143, 71,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor