

Converting Colors

XYZ(31.0506, 17.8101, 96.4089)

Have a look what the booklet for
XYZ(31.0506, 17.8101, 96.4089)
contains.

XYZ(31.0204, 17.8461, 96.4174)	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(31.0204, 17.8461,
96.4174)**

Conversions

Conversions Part 1

Format	Color
Hex	894DFF
RGB	137, 77, 255
RGB Percent	54%, 30%, 100%
CMY	0.4627, 0.6980, 0.0000
CMYK	0.46, 0.70, 0.00, 0.00
HSL	260°, 100%, 65%
HSV	260°, 70%, 100%
XYZ	31.0204, 17.8461, 96.4174
YIQ	115.2320, -21.3780, 68.0780

Conversions

Conversions Part 2

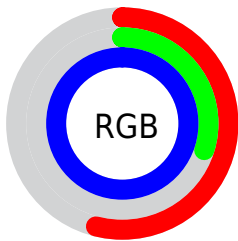
Format	Color
RYB	137, 77, 255
Decimal	8998399
CIELab	49.31, 62.75, -79.45
CIELCh	49, 101.242, 308.298
Yxy	17.8461, 0.2135, 0.1228
Android (android.graphics.Color)	4287188479 (0xFF894DFF)
YUV	115.2320, 68.9056, 19.0905
Hunter-Lab	42.2446, 57.1451, -105.7498

Details

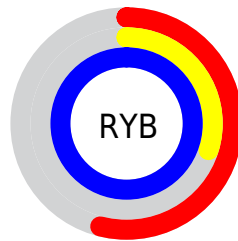
The XYZ color **31.0204, 17.8461, 96.4174** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **59.6039, 83.6572, 20.0272**, and the grayscale version is **16.1690, 17.0110, 18.5250**.

A 20% lighter version of the original color is **49.3213, 35.1910, 98.8008**, and **13.0939, 5.9840, 53.2882** is the 20% darker color. If you saturate the color by 10%, you get **27.0156, 13.6319, 95.8151**, and if you desaturate by 10%, it is **36.1598, 23.6824, 97.2731**.

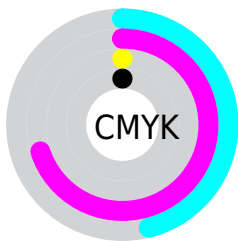
Distribution



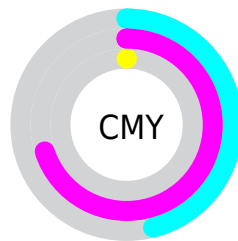
- Red (54%)
- Green (30%)
- Blue (100%)



- Red (54%)
- Yellow (30%)
- Blue (100%)



- Cyan (46%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0204, 17.8461, 96.4174 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 31.0204, 17.8461, 96.4174 by changing the saturation by 10% instead.

31.0204, 17.8461,
96.4174

31.0204, 17.8461,
96.4174

298.4575,
240.0022, 569.7926

20.7663, 10.8396,
72.7119

60.6478, 39.7749,
158.2337

13.0648, 5.9590,
53.2500

80.7518, 55.4660,
197.1816

7.5505, 2.8202,
37.6133

104.8698, 74.8206,
242.0473

3.8580, 1.0386,
25.3832

133.3672, 98.2233,
293.2494

1.6221, 0.0000,
16.1412

166.6093,
126.0584, 351.2065

0.4068, 0.0000,
9.4687

204.9615,

0.0000, 0.0000,

158.7103, 416.3370

4.9471

248.7891,
196.5634, 489.0595

■ 0.0000, 0.0000,
2.1581

■ 0.0000, 0.0000,
0.6500

■ 31.0204, 17.8461,
96.4174

■ 31.0204, 17.8461,
96.4174

■ 27.0156, 13.6319,
95.8151

■ 36.1598, 23.6824,
97.2731

■ 24.0356, 10.8541,
95.4360

■ 42.5230, 31.2953,
98.4071

■ 21.9203, 9.2233,
95.2327

■ 50.1925, 40.8219,
99.8417

■ 21.8843, 9.1967,
95.2294

■ 59.2423, 52.3854,
101.5967

■ 69.7405, 66.0984,
103.6903

■ 81.7505, 82.0649,
106.1391

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.



19.7430, 17.8461, 131.1255



31.0204, 17.8461, 96.4174



40.2812, 17.8461, 45.9706

Triad

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



31.0204, 17.8461, 96.4174



24.6695, 17.8461, 0.0000



4.5329, 17.8461, 28.0200

Complementary

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



31.0204, 17.8461, 96.4174



59.6039, 83.6572, 20.0272

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.



5.0072, 17.8461, 5.7797



31.0204, 17.8461, 96.4174



14.4556, 17.8461, 0.0000

Square

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



31.0204, 17.8461, 96.4174



35.7603, 17.8461, 1.6867



7.9602, 17.8461, 0.3888



6.2719, 17.8461, 73.3777

Rectangle

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



31.0204, 17.8461, 96.4174



42.6196, 17.8461, 21.0299



7.9602, 17.8461, 0.3888



4.4572, 17.8461, 17.9160

Sweetspot

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



31.0213, 17.8466, 96.4175



68.4064, 64.3415, 103.4215



40.7754, 48.1274, 101.7482



14.0001, 12.9298, 22.0078



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.



31.0213, 17.8466, 96.4175



25.6472, 12.3034, 95.6308



51.8593, 28.5889, 97.3927



17.5801, 17.6752, 22.7350



11.5767, 4.8785, 49.7661



1.2381, 0.5322, 4.8507

Inverse Universe

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



53.7436, 30.5077, 54.6826



50.5516, 26.2423, 47.0869



43.1230, 75.1610, 19.2559



18.5171, 18.1902, 21.3403



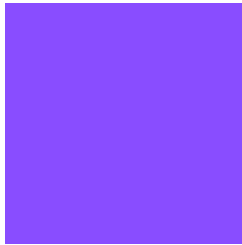
25.3651, 12.6353, 21.1049



2.5207, 1.2507, 2.3234

Previews

White Background



This preview shows how the XYZ color 31.0204, 17.8461, 96.4174 looks on a white background.

Color Contrast Check

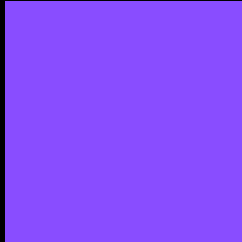
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0204, 17.8461, 96.4174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

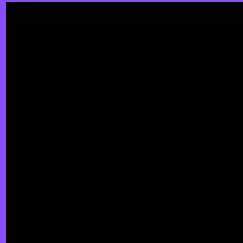
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0204, 17.8461, 96.4174

Background



This preview shows how black text looks on a background with the XYZ color 31.0204, 17.8461, 96.4174.



This preview shows how white text looks on a background with the XYZ color 31.0204, 17.8461,

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

31.0204, 17.8461, 96.4174

Protanopia

21.3377, 17.9833, 83.2354

Deuteranopia

17.8570, 17.8892, 60.9043



Tritanopia

16.2020, 17.6952, 22.9837

Trichromacy



Original Color

31.0204, 17.8461, 96.4174



Protanomaly

22.2017, 16.3241, 87.5687



Deuteranomaly

19.7203, 15.9606, 72.5623



Tritanomaly

19.7928, 16.6696, 42.2188

Monochromacy



Original Color

31.0204, 17.8461, 96.4174



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

19.7050, 16.2715, 38.1785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0204, 17.8461, 96.4174 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, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 77, 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(137, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 77, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.0204, 17.8461, 96.4174 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, 77, 255) }
```


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

```
.border{ border-color:rgb(137, 77, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 77, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 77,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0204, 17.8461, 96.4174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 77, 255) }
```

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

```
.background{ background-color: rgb(137, 77,  
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