

Converting Colors

XYZ(30.8158, 17.4312, 96.3481)

Have a look what the booklet for
XYZ(30.8158, 17.4312, 96.3481)
contains.

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Color

**XYZ(30.8153, 17.4359,
96.3491)**

Conversions

Conversions Part 1

Format	Color
Hex	894AFF
RGB	137, 74, 255
RGB Percent	54%, 29%, 100%
CMY	0.4627, 0.7098, 0.0000
CMYK	0.46, 0.71, 0.00, 0.00
HSL	261°, 100%, 65%
HSV	261°, 71%, 100%
XYZ	30.8153, 17.4359, 96.3491
YIQ	113.4710, -20.5530, 69.6470

Conversions

Conversions Part 2

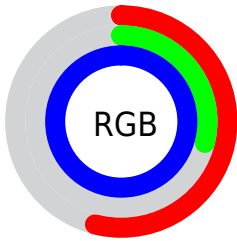
Format	Color
R _Y B	137, 74, 255
Decimal	8997631
CIE Lab	48.80, 64.16, -80.28
CIE LCh	49, 102.767, 308.632
Yxy	17.4359, 0.2131, 0.1206
Android (android.graphics.Color)	4287187711 (0xFF894AFF)
YUV	113.4710, 69.7738, 20.6349
Hunter-Lab	41.7563, 58.6558, -107.5771

Details

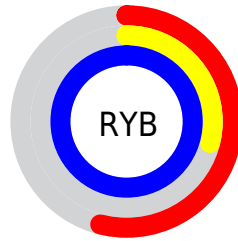
The XYZ color **30.8153, 17.4359, 96.3491** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **58.7329, 83.2202, 19.4461**, and the grayscale version is **15.6400, 16.4545, 17.9189**.

A 20% lighter version of the original color is **49.0579, 34.6641, 98.7130**, and **12.9965, 5.7893, 53.2558** is the 20% darker color. If you saturate the color by 10%, you get **26.9263, 13.3954, 95.7741**, and if you desaturate by 10%, it is **35.8152, 23.0724, 97.1735**.

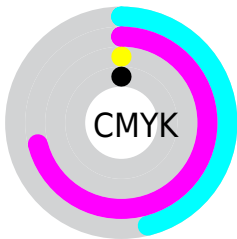
Distribution



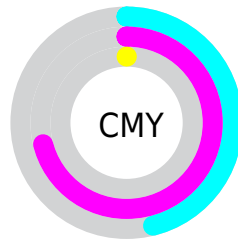
- Red (54%)
- Green (29%)
- Blue (100%)



- Red (54%)
- Yellow (29%)
- Blue (100%)



- Cyan (46%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8153, 17.4359, 96.3491 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 30.8153, 17.4359, 96.3491 by changing the saturation by 10% instead.

 30.8153, 17.4359,
96.3491


 30.8153, 17.4359,
96.3491


297.5286,
237.6720, 569.5693


 20.6094, 10.5458,
72.6553


 60.3270, 39.0737,
158.1387

 12.9496, 5.7623,
53.2040


 80.3635, 54.5902,
197.0715


 7.4706, 2.7011,
37.5768


 104.4075, 73.7509,
241.9211

 3.8071, 0.9777,
25.3551

 132.8245, 96.9403,
293.1060

 1.5936, 0.0000,
16.1204

 165.9797,
124.5427, 351.0448

 0.3882, 0.0000,
9.4541

204.2386,

 0.0000, 0.0000,

156.9425, 416.1558

4.9377

247.9664,
194.5241, 488.8579

■ 0.0000, 0.0000,
2.1527

■ 0.0000, 0.0000,
0.6469

■ 30.8153, 17.4359,
96.3491

■ 30.8153, 17.4359,
96.3491

■ 26.9263, 13.3954,
95.7741

■ 35.8152, 23.0724,
97.1735

■ 24.0373, 10.7614,
95.4180

■ 42.0158, 30.4614,
98.2729

■ 22.1473, 9.3322,
95.2417

■ 49.4995, 39.7418,
99.6698

■ 58.3402, 51.0374,
101.3841

68.6059, 64.4616,
103.4342

80.3596, 80.1191,
105.8369

93.6605, 98.1074,
108.6079

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.



19.4718, 17.4359, 132.1464



30.8153, 17.4359, 96.3491



40.1084, 17.4359, 45.1824

Triad

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



30.8153, 17.4359, 96.3491



24.1701, 17.4359, 0.0000



4.2687, 17.4359, 27.9819

Complementary

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



30.8153, 17.4359, 96.3491



58.7329, 83.2202, 19.4461

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.



4.7081, 17.4359, 5.5799



30.8153, 17.4359, 96.3491



13.9759, 17.4359, 0.0000

Square

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



30.8153, 17.4359, 96.3491



35.3607, 17.4359, 1.4654



7.5750, 17.4359, 0.2704



5.9969, 17.4359, 74.0625

Rectangle

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



30.8153, 17.4359, 96.3491



42.4082, 17.4359, 20.2633



7.5750, 17.4359, 0.2704



4.1874, 17.4359, 17.7611

Sweetspot

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



30.8162, 17.4364, 96.3491



68.5843, 64.4332, 103.4298



40.3145, 47.5568, 101.6623



14.0420, 12.9514, 22.0097



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.



30.8162, 17.4364, 96.3491



25.6516, 12.1796, 95.6066



51.4982, 28.0983, 97.3170



17.5993, 17.6852, 22.7359



11.7171, 4.9509, 49.7726



1.2534, 0.5401, 4.8515

Inverse Universe

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



53.2026, 29.9631, 52.8454



50.1336, 25.9393, 45.3046



42.7243, 74.9674, 18.6969



18.5083, 18.1866, 21.2941



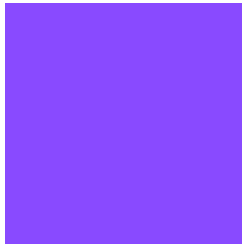
25.2298, 12.5812, 20.3926



2.5082, 1.2457, 2.2576

Previews

White Background



This preview shows how the XYZ color 30.8153, 17.4359, 96.3491 looks on a white background.

Color Contrast Check

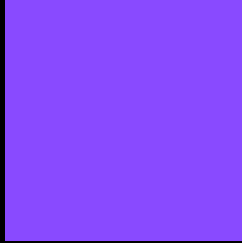
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8153, 17.4359, 96.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

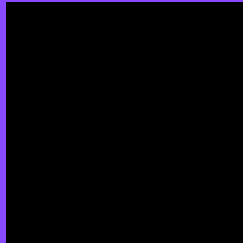
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.8153, 17.4359, 96.3491

Background



This preview shows how black text looks on a background with the XYZ color 30.8153, 17.4359, 96.3491.



This preview shows how white text looks on a background with the XYZ color 30.8153, 17.4359,

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

30.8153, 17.4359, 96.3491

Protanopia

20.7896, 17.5865, 80.8961

Deuteranopia

17.3763, 17.5054, 58.9630



Tritanopia

15.9010, 17.1979, 22.5601

Trichromacy



Original Color

30.8153, 17.4359, 96.3491



Protanomaly

21.7101, 15.8243, 85.9145



Deuteranomaly

19.3505, 15.6525, 71.1086



Tritanomaly

19.4961, 16.0764, 42.1199

Monochromacy



Original Color

30.8153, 17.4359, 96.3491



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

19.2794, 15.7779, 37.6266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8153, 17.4359, 96.3491 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, 74, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 74, 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, 74, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 74, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.8153, 17.4359, 96.3491 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, 74, 255) }
```


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

```
.border{ border-color:rgb(137, 74, 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, 74, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 74, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 74, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 74,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8153, 17.4359, 96.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 74, 255) }
```

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

```
.background{ background-color: rgb(137, 74,  
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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