

Converting Colors

XYZ(35.8197, 19.1023, 96.4069)

Have a look what the booklet for
XYZ(35.8197, 19.1023, 96.4069)
contains.

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Color

**XYZ(35.8197, 19.1023,
96.4069)**

Conversions

Conversions Part 1

Format	Color
Hex	A740FF
RGB	167, 64, 255
RGB Percent	65%, 25%, 100%
CMY	0.3451, 0.7490, 0.0000
CMYK	0.35, 0.75, 0.00, 0.00
HSL	272°, 100%, 63%
HSV	272°, 75%, 100%
XYZ	35.8197, 19.1023, 96.4069
YIQ	116.5710, 0.0770, 81.2370

Conversions

Conversions Part 2

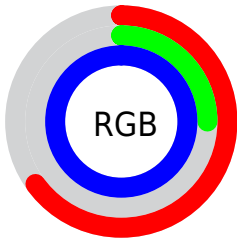
Format	Color
R _Y B	167, 64, 255
Decimal	10961151
CIE Lab	50.81, 73.20, -76.87
CIE LCh	51, 106.143, 313.600
Yxy	19.1023, 0.2367, 0.1262
Android (android.graphics.Color)	4289151231 (0xFFA740FF)
YUV	116.5710, 68.2455, 44.2262
Hunter-Lab	43.7062, 69.8051, -100.1873

Details

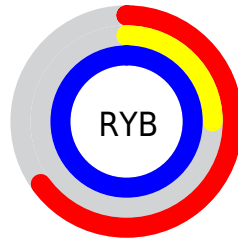
The XYZ color **35.8197, 19.1023, 96.4069** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **49.6341, 78.5654, 17.3995**, and the grayscale version is **16.5734, 17.4365, 18.9883**.

A 20% lighter version of the original color is **56.8823, 37.3887, 98.8265**, and **16.1414, 7.1570, 53.3540** is the 20% darker color. If you saturate the color by 10%, you get **32.3259, 15.6324, 95.9213**, and if you desaturate by 10%, it is **40.1974, 24.0028, 97.1221**.

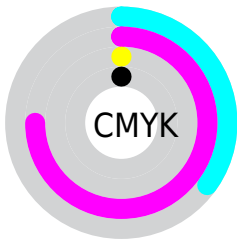
Distribution



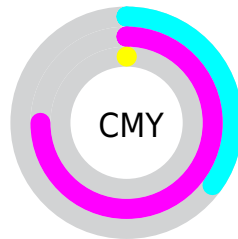
- Red (65%)
- Green (25%)
- Blue (100%)



- Red (65%)
- Yellow (25%)
- Blue (100%)



- Cyan (35%)
- Magenta (75%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (75%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8197, 19.1023, 96.4069 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 35.8197, 19.1023, 96.4069 by changing the saturation by 10% instead.

35.8197, 19.1023,
96.4069

35.8197, 19.1023,
96.4069

319.6168,
247.0129, 569.7583

24.4644, 11.7442,
72.7032

68.0794, 41.9069,
158.2191

15.8051, 6.5698,
53.2429

89.7145, 58.1222,
197.1647

9.4763, 3.1945,
37.6077

115.5070, 78.0587,
242.0279

5.1127, 1.2341,
25.3789

145.8221,
102.1008, 293.2274

2.3490, 0.0893,
16.1380

181.0253,
130.6329, 351.1816

0.8196, 0.0000,
9.4664

221.4820,

0.0000, 0.0000,

164.0393, 416.3091

4.9457

267.5573,
202.7045, 489.0285

■ 0.0000, 0.0000,
2.1573

■ 0.0000, 0.0000,
0.6495

■ 35.8197, 19.1023,
96.4069

■ 35.8197, 19.1023,
96.4069

■ 32.3259, 15.6324,
95.9213

■ 40.1974, 24.0028,
97.1221

■ 29.6096, 13.3929,
95.6322

■ 45.5414, 30.4936,
98.0933

■ 28.4514, 12.5821,
95.5368

■ 51.9261, 38.7145,
99.3436

■ 59.4173, 48.7889,
100.8933

68.0747, 60.8286,
102.7609

77.9535, 74.9364,
104.9633

89.1050, 91.2078,
107.5163

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.



23.2983, 19.1023, 141.6881



35.8197, 19.1023, 96.4069



45.0300, 19.1023, 41.6235

Triad

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



35.8197, 19.1023, 96.4069



24.4351, 19.1023, 0.0000



4.7983, 19.1023, 37.4616

Complementary

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



35.8197, 19.1023, 96.4069



49.6341, 78.5654, 17.3995

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.



4.9036, 19.1023, 8.4223



35.8197, 19.1023, 96.4069



13.8324, 19.1023, 0.0000

Square

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



35.8197, 19.1023, 96.4069



36.9218, 19.1023, 1.0073



7.5317, 19.1023, 0.7503



7.1525, 19.1023, 90.9898

Rectangle

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



35.8197, 19.1023, 96.4069



46.4691, 19.1023, 17.3933



7.5317, 19.1023, 0.7503



4.5860, 19.1023, 24.6229

Sweetspot

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



35.8206, 19.1029, 96.4070



70.8126, 64.7041, 103.3647



31.5777, 31.1366, 98.9534



14.6084, 13.0728, 22.0033



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.



35.8206, 19.1029, 96.4070



30.8512, 14.3513, 95.7518



60.1153, 31.7437, 92.2818



17.9389, 17.8602, 22.7518



15.0408, 6.6643, 49.9282



1.5906, 0.7139, 4.8672

Inverse Universe

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



48.7409, 27.1940, 32.3851



45.7111, 23.6219, 23.7066



38.9917, 73.0569, 17.9019



18.3575, 18.1263, 20.4997



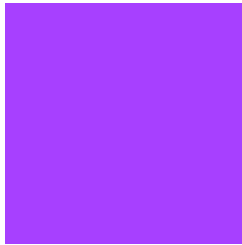
23.3149, 11.8153, 10.3087



2.3245, 1.1722, 1.2903

Previews

White Background



This preview shows how the XYZ color 35.8197, 19.1023, 96.4069 looks on a white background.

Color Contrast Check

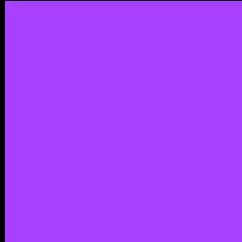
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 35.8197, 19.1023, 96.4069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

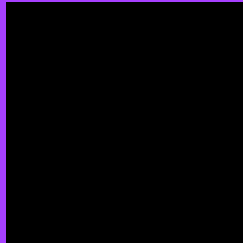
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8197, 19.1023, 96.4069

Background



This preview shows how black text looks on a background with the XYZ color 35.8197, 19.1023, 96.4069.



This preview shows how white text looks on a background with the XYZ color 35.8197, 19.1023,

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

35.8197, 19.1023, 96.4069

Protanopia

22.9958, 19.3764, 89.7168

Deuteranopia

19.3453, 19.2703, 66.3183



Tritanopia

20.4025, 18.8781, 20.9809

Trichromacy



Original Color

35.8197, 19.1023, 96.4069

Protanomaly

23.3910, 16.5670, 91.5874

Deuteranomaly

20.8187, 16.1520, 76.1491

Tritanomaly

23.9256, 17.5707, 40.1607

Monochromacy



Original Color

35.8197, 19.1023, 96.4069

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

21.3344, 16.6763, 38.6536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8197, 19.1023, 96.4069 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(167, 64, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 64, 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(167, 64, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 64, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.8197, 19.1023, 96.4069 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(167, 64, 255) }
```


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

```
.border{ border-color:rgb(167, 64, 255) }
```

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

Here you see how a box with a 4 pixel rgb(167, 64, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 64, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 64, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 64,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8197, 19.1023, 96.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 64, 255) }
```

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

```
.background{ background-color: rgb(167, 64,  
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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