

Converting Colors

XYZ(35.4899, 18.9113, 96.3875)

Have a look what the booklet for
XYZ(35.4899, 18.9113, 96.3875)
contains.

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Color

**XYZ(35.6093, 18.9938,
96.3971)**

Conversions

Conversions Part 1

Format	Color
Hex	A640FF
RGB	166, 64, 255
RGB Percent	65%, 25%, 100%
CMY	0.3490, 0.7490, 0.0000
CMYK	0.35, 0.75, 0.00, 0.00
HSL	272°, 100%, 63%
HSV	272°, 75%, 100%
XYZ	35.6093, 18.9938, 96.3971
YIQ	116.2720, -0.5190, 81.0250

Conversions

Conversions Part 2

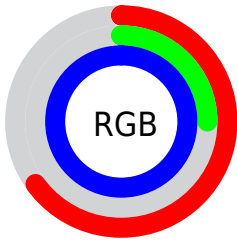
Format	Color
R _Y B	166, 64, 255
Decimal	10895615
CIE Lab	50.68, 73.04, -77.08
CIE LCh	51, 106.185, 313.458
Yxy	18.9938, 0.2358, 0.1258
Android (android.graphics.Color)	4289085695 (0xFFA640FF)
YUV	116.2720, 68.3929, 43.6115
Hunter-Lab	43.5819, 69.5781, -100.6340

Details

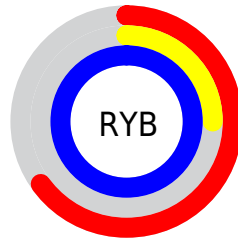
The XYZ color **35.6093, 18.9938, 96.3971** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **49.8219, 78.6623, 17.4082**, and the grayscale version is **16.4816, 17.3400, 18.8832**.

A 20% lighter version of the original color is **56.5659, 37.2256, 98.8117**, and **15.9037, 7.0345, 53.3429** is the 20% darker color. If you saturate the color by 10%, you get **32.1090, 15.5205, 95.9112**, and if you desaturate by 10%, it is **39.9982, 23.9000, 97.1128**.

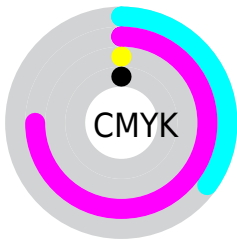
Distribution



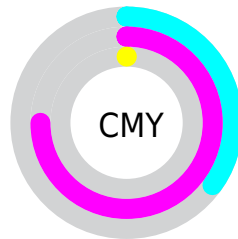
- Red (65%)
- Green (25%)
- Blue (100%)



- 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 35.6093, 18.9938, 96.3971 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 35.6093, 18.9938, 96.3971 by changing the saturation by 10% instead.

 35.6093, 18.9938,
96.3971


 35.6093, 18.9938,
96.3971


318.7107,
246.4145, 569.7262

 24.3013, 11.6658,
72.6950


 67.7564, 41.7236,
158.2055


 15.6832, 6.5165,
53.2363


 89.3263, 57.8942,
197.1489


 9.3897, 3.1616,
37.6024


 115.0475, 77.7812,
242.0098

 5.0554, 1.2167,
25.3748

 145.2853,
101.7688, 293.2068

 2.3149, 0.0753,
16.1350

 180.4052,
130.2416, 351.1584

 0.8023, 0.0000,
9.4643

220.7725,

 0.0000, 0.0000,

163.5839, 416.2831

4.9443

266.7526,
202.1801, 488.9996

■ 0.0000, 0.0000,
2.1565

■ 0.0000, 0.0000,
0.6491

■ 35.6093, 18.9938,
96.3971

■ 35.6093, 18.9938,
96.3971

■ 32.1090, 15.5205,
95.9112

■ 39.9982, 23.9000,
97.1128

■ 29.3906, 13.2800,
95.6220

■ 45.3581, 30.3991,
98.0847

■ 28.2330, 12.4695,
95.5266

■ 51.7639, 38.6308,
99.3360

■ 59.2814, 48.7187,
100.8869

67.9706, 60.7748,
102.7560

77.8868, 74.9018,
104.9602

89.0815, 91.1954,
107.5151

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.



23.1217, 18.9938, 141.4623



35.6093, 18.9938, 96.3971



44.8290, 18.9938, 41.6633

Triad

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



35.6093, 18.9938, 96.3971



24.3702, 18.9938, 0.0000



4.7479, 18.9938, 37.0899

Complementary

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



35.6093, 18.9938, 96.3971



49.8219, 78.6623, 17.4082

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.



4.8633, 18.9938, 8.2799



35.6093, 18.9938, 96.3971



13.7852, 18.9938, 0.0000

Square

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



35.6093, 18.9938, 96.3971



36.8204, 18.9938, 1.0033



7.4914, 18.9938, 0.7202



7.0757, 18.9938, 90.4391

Rectangle

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



35.6093, 18.9938, 96.3971



46.2965, 18.9938, 17.4136



7.4914, 18.9938, 0.7202



4.5404, 18.9938, 24.3336

Sweetspot

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



35.6102, 18.9944, 96.3972



70.7189, 64.6559, 103.3603



31.5777, 31.1365, 98.9534



14.5863, 13.0614, 22.0023



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.



35.6102, 18.9944, 96.3972



30.6328, 14.2387, 95.7416



60.1152, 31.7437, 92.2817



17.9295, 17.8554, 22.7514



14.9265, 6.6054, 49.9228



1.5795, 0.7082, 4.8667

Inverse Universe

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



48.8231, 27.2268, 32.8180



45.7932, 23.6547, 24.1388



38.9916, 73.0569, 17.9018



18.3616, 18.1279, 20.5212



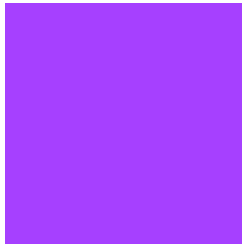
23.3567, 11.8320, 10.5289



2.3287, 1.1739, 1.3124

Previews

White Background



This preview shows how the XYZ color 35.6093, 18.9938, 96.3971 looks on a white background.

Color Contrast Check

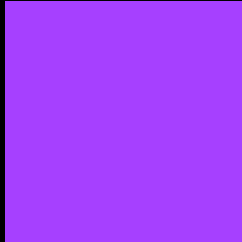
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6093, 18.9938, 96.3971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

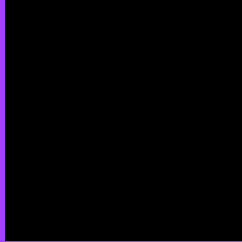
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.6093, 18.9938, 96.3971

Background



This preview shows how black text looks on a background with the XYZ color 35.6093, 18.9938, 96.3971.



This preview shows how white text looks on a background with the XYZ color 35.6093, 18.9938,

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

35.6093, 18.9938, 96.3971

Protanopia

22.8799, 19.1446, 89.6782

Deuteranopia

19.0932, 18.9700, 65.6060



Tritanopia

20.2332, 18.7908, 20.9729

Trichromacy



Original Color

35.6093, 18.9938, 96.3971



Protanomaly

23.2371, 16.3496, 91.5536



Deuteranomaly

20.6184, 16.0648, 75.4129



Tritanomaly

23.7423, 17.4763, 40.1521

Monochromacy



Original Color

35.6093, 18.9938, 96.3971



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

21.0813, 16.4077, 38.6151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6093, 18.9938, 96.3971 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(166, 64, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 64, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 64, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.6093, 18.9938, 96.3971 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(166, 64, 255) }
```


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

```
.border{ border-color:rgb(166, 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(166, 64, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 64, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 64, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 64,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6093, 18.9938, 96.3971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 64, 255) }
```

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

```
.background{ background-color: rgb(166, 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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