

Converting Colors

XYZ(35.0439, 16.0195, 96.7412)

Have a look what the booklet for
XYZ(35.0439, 16.0195, 96.7412)
contains.

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Color

**XYZ(34.8880, 15.9648,
95.8504)**

Conversions

Conversions Part 1

Format	Color
Hex	AB04FF
RGB	171, 4, 255
RGB Percent	67%, 2%, 100%
CMY	0.3294, 0.9843, 0.0000
CMYK	0.33, 0.98, 0.00, 0.00
HSL	280°, 100%, 51%
HSV	280°, 98%, 100%
XYZ	34.8880, 15.9648, 95.8504
YIQ	82.5470, 18.9610, 113.4650

Conversions

Conversions Part 2

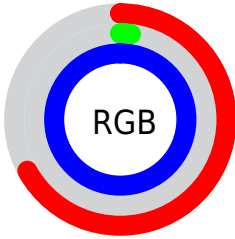
Format	Color
RYB	171, 4, 255
Decimal	11207935
CIELab	46.93, 86.76, -83.18
CIELCh	47, 120.192, 316.205
Yxy	15.9648, 0.2378, 0.1088
Android (android.graphics.Color)	4289398015 (0xFFAB04FF)
YUV	82.5470, 85.0193, 77.5733
Hunter-Lab	39.9560, 85.9363, -114.2616

Details

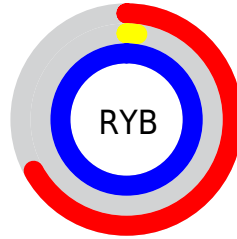
The XYZ color **34.8880, 15.9648, 95.8504** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **39.8066, 73.6036, 12.2239**, and the grayscale version is **7.9628, 8.3775, 9.1231**.

A 20% lighter version of the original color is **55.3954, 32.0258, 97.8697**, and **16.3847, 7.2824, 53.3654** is the 20% darker color. If you saturate the color by 10%, you get **34.5548, 15.7286, 95.8224**, and if you desaturate by 10%, it is **37.2167, 17.7716, 96.0765**.

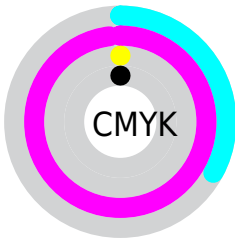
Distribution



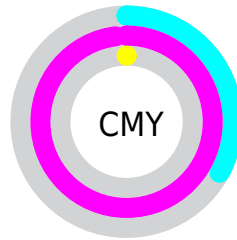
- Red (67%)
- Green (2%)
- Blue (100%)



- Red (67%)
- Yellow (2%)
- Blue (100%)



- Cyan (33%)
- Magenta (98%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (98%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8880, 15.9648, 95.8504 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 34.8880, 15.9648, 95.8504 by changing the saturation by 10% instead.

 34.8880, 15.9648,
95.8504


 34.8880, 15.9648,
95.8504


315.5904,
229.1339, 567.9376


 23.7427, 9.4992,
72.2422


 66.6474, 36.5371,
157.4446


 15.2666, 5.0682,
52.8685


 87.9922, 51.4126,
196.2677


 9.0942, 2.2874,
37.3108


 113.4676, 69.8602,
240.9994

 4.8603, 0.7670,
25.1505

 143.4389, 92.2644,
292.0584

 2.1994, 0.0000,
15.9692

 178.2715,
119.0094, 349.8632

 0.7424, 0.0000,
9.3482

 218.3307,

 0.0000, 0.0000,

150.4798, 414.8323

4.8691

263.9819,
187.0598, 487.3843

■ 0.0000, 0.0000,
2.1133

■ 0.0000, 0.0000,
0.6237

■ 34.8880, 15.9648,
95.8504

■ 34.8880, 15.9648,
95.8504

■ 34.5548, 15.7286,
95.8224

■ 37.2167, 17.7716,
96.0765

■ 40.1730, 20.6533,
96.4769

■ 43.8784, 24.8487,
97.0914

■ 48.4196, 30.5280,
97.9482

■ 53.8703, 37.8356,
99.0715

■ 60.2952, 46.8979,
100.4820

■ 67.7526, 57.8290,
102.1989

■ 76.2961, 70.7328,
104.2393

■ 85.9752, 85.7057,
106.6192

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



21.5283, 15.9648, 152.7952



34.8880, 15.9648, 95.8504



44.4032, 15.9648, 35.1169

Triad

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



34.8880, 15.9648, 95.8504



20.5100, 15.9648, 0.0000



2.8771, 15.9648, 39.0032

Complementary

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



34.8880, 15.9648, 95.8504



39.8066, 73.6036, 12.2239

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.



2.8052, 15.9648, 6.9262



34.8880, 15.9648, 95.8504



10.2121, 15.9648, 0.0000

Square

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



34.8880, 15.9648, 95.8504



33.8532, 15.9648, 0.0000



4.7744, 15.9648, 0.0000



5.0573, 15.9648, 101.3142

Rectangle

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



34.8880, 15.9648, 95.8504



45.3585, 15.9648, 11.8565



4.7744, 15.9648, 0.0000



2.6574, 15.9648, 24.4048

Sweetspot

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



34.8889, 15.9653, 95.8505



66.5106, 55.9839, 101.9082



21.9146, 14.8748, 96.3238



13.5505, 10.9737, 21.6539



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.



34.8889, 15.9653, 95.8505



34.5548, 15.7286, 95.8224



53.8536, 26.3750, 68.1376



18.1675, 17.9781, 22.7625



18.2208, 8.3037, 50.0770



1.8903, 0.8684, 4.8813

Inverse Universe

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



43.0450, 22.0516, 11.2206



42.8931, 21.9212, 10.6352



36.2219, 71.7106, 14.0907



18.2601, 18.0874, 19.9869



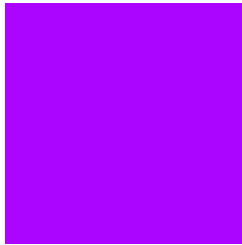
22.4743, 11.4790, 5.8820



2.2366, 1.1370, 0.8274

Previews

White Background



This preview shows how the XYZ color 34.8880, 15.9648, 95.8504 looks on a white background.

Color Contrast Check

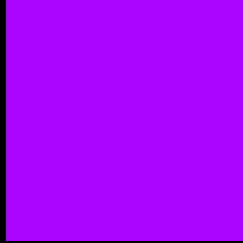
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8880, 15.9648, 95.8504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

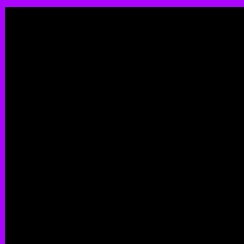
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.8880, 15.9648, 95.8504

Background



This preview shows how black text looks on a background with the XYZ color 34.8880, 15.9648, 95.8504.



This preview shows how white text looks on a background with the XYZ color 34.8880, 15.9648,

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

34.8880, 15.9648, 95.8504

Protanopia

19.3662, 16.3266, 75.5294

Deuteranopia

16.2088, 16.2927, 55.1138



Tritanopia

18.7126, 16.1052, 16.0323

Trichromacy



Original Color

34.8880, 15.9648, 95.8504



Protanomaly

19.6094, 11.5775, 82.0901



Deuteranomaly

17.1576, 11.1182, 67.5714



Tritanomaly

21.6497, 13.2238, 35.1296

Monochromacy



Original Color

34.8880, 15.9648, 95.8504



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.5777, 8.3585, 28.0919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8880, 15.9648, 95.8504 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(171, 4, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 4, 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(171, 4, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 4, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.8880, 15.9648, 95.8504 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(171, 4, 255) }
```


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

```
.border{ border-color:rgb(171, 4, 255) }
```

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

Here you see how a box with a 4 pixel rgb(171, 4, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 4, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 4, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 4,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8880, 15.9648, 95.8504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 4, 255) }
```

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

```
.background{ background-color: rgb(171, 4,  
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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