

Converting Colors

XYZ(34.9162, 15.9148, 95.8393)

Have a look what the booklet for
XYZ(34.9162, 15.9148, 95.8393)
contains.

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Color

**XYZ(34.8446, 15.8779,
95.8360)**

Conversions

Conversions Part 1

Format	Color
Hex	AB00FF
RGB	171, 0, 255
RGB Percent	67%, 0%, 100%
CMY	0.3294, 1.0000, 0.0000
CMYK	0.33, 1.00, 0.00, 0.00
HSL	280°, 100%, 50%
HSV	280°, 100%, 100%
XYZ	34.8446, 15.8779, 95.8360
YIQ	80.1990, 20.0610, 115.5570

Conversions

Conversions Part 2

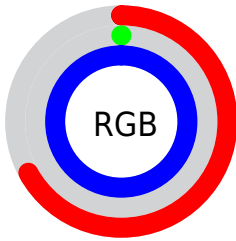
Format	Color
R_{YB}	171, 0, 255
Decimal	11206911
CIE _{Lab}	46.81, 87.10, -83.37
CIE _{LCh}	47, 120.570, 316.254
Yxy	15.8779, 0.2378, 0.1083
Android (android.graphics.Color)	4289396991 (0xFFAB00FF)
YUV	80.1990, 86.1769, 79.6325
Hunter-Lab	39.8471, 86.3584, -114.7051

Details

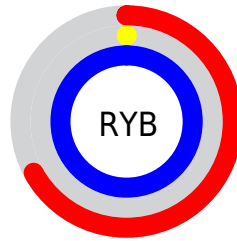
The XYZ color **34.8446, 15.8779, 95.8360** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **39.4159, 73.4047, 12.0911**, and the grayscale version is **7.4993, 7.8899, 8.5921**.

A 20% lighter version of the original color is **55.3104, 31.8560, 97.8414**, and **16.3847, 7.2824, 53.3654** is the 20% darker color. If you saturate the color by 10%, you get **34.8454, 15.8783, 95.8360**, and if you desaturate by 10%, it is **37.0923, 17.5687, 96.0439**.

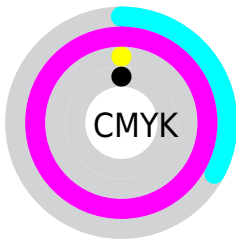
Distribution



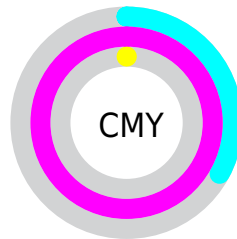
- Red (67%)
- Green (0%)
- Blue (100%)



- Red (67%)
- Yellow (0%)
- Blue (100%)



- Cyan (33%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8446, 15.8779, 95.8360 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 34.8446, 15.8779, 95.8360 by changing the saturation by 10% instead.

 34.8446, 15.8779,
95.8360


 34.8446, 15.8779,
95.8360


315.4019,
228.6202, 567.8905

 23.7091, 9.4378,
72.2302

 66.5806, 36.3861,
157.4246


 15.2416, 5.0278,
52.8588


 87.9118, 51.2230,
196.2445


 9.0765, 2.2636,
37.3031


 113.3723, 69.6276,
240.9728

 4.8486, 0.7543,
25.1446

 143.3275, 91.9843,
292.0282

 2.1926, 0.0000,
15.9648

 178.1427,
118.6775, 349.8291

 0.7388, 0.0000,
9.3452

 218.1833,

 0.0000, 0.0000,

150.0916, 414.7941

4.8671

263.8146,
186.6111, 487.3417

■ 0.0000, 0.0000,
2.1121

■ 0.0000, 0.0000,
0.6230

■ 34.8446, 15.8779,
95.8360

■ 34.8446, 15.8779,
95.8360

■ 34.8454, 15.8783,
95.8360

■ 37.0923, 17.5687,
96.0439

■ 39.9244, 20.2541,
96.4129

■ 43.4868, 24.2211,
96.9909

■ 47.8688, 29.6456,
97.8069

■ 53.1454, 36.6749,
98.8856

■ 59.3826, 45.4380,
100.2484

■ 66.6396, 56.0506,
101.9143

■ 74.9705, 68.6181,
103.9010

■ 84.4252, 83.2378,
106.2246

Harmonies

Analogous

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



21.4673, 15.8779, 153.0769



34.8446, 15.8779, 95.8360



44.3686, 15.8779, 34.9582

Triad

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



34.8446, 15.8779, 95.8360



20.4070, 15.8779, 0.0000



2.8315, 15.8779, 39.0093

Complementary

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



34.8446, 15.8779, 95.8360



39.4159, 73.4047, 12.0911

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.



2.7573, 15.8779, 6.8775



34.8446, 15.8779, 95.8360



10.1224, 15.8779, 0.0000

Square

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



34.8446, 15.8779, 95.8360



33.7658, 15.8779, 0.0000



4.7096, 15.8779, 0.0000



5.0026, 15.8779, 101.5437

Rectangle

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



34.8446, 15.8779, 95.8360



45.3140, 15.8779, 11.7301



4.7096, 15.8779, 0.0000



2.6126, 15.8779, 24.3723

Sweetspot

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



34.8454, 15.8784, 95.8360



66.6394, 56.0502, 101.9142



21.2986, 13.7171, 96.1328



13.5813, 10.9896, 21.6553



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.



34.8454, 15.8784, 95.8360



34.8454, 15.8783, 95.8360



53.1869, 26.0388, 64.8414



18.1771, 17.9830, 22.7630



18.3717, 8.3814, 50.0841



1.9042, 0.8755, 4.8819

Inverse Universe

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



42.8401, 21.9001, 10.3561



42.8401, 21.9000, 10.3560



36.1869, 71.6908, 14.1682



18.2561, 18.0857, 19.9657



22.4459, 11.4677, 5.7327



2.2335, 1.1358, 0.8109

Previews

White Background



This preview shows how the XYZ color 34.8446, 15.8779, 95.8360 looks on a white background.

Color Contrast Check

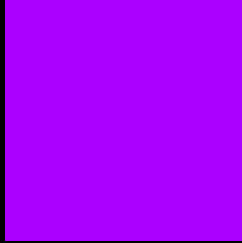
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8446, 15.8779, 95.8360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

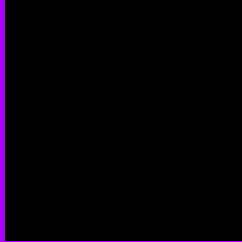
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.8446, 15.8779, 95.8360

Background



This preview shows how black text looks on a background with the XYZ color 34.8446, 15.8779, 95.8360.



This preview shows how white text looks on a background with the XYZ color 34.8446, 15.8779,

95.8360.

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

34.8446, 15.8779, 95.8360

Protanopia

19.3662, 16.3266, 75.5294

Deuteranopia

16.2088, 16.2927, 55.1138



Tritanopia

18.7126, 16.1052, 16.0323

Trichromacy



Original Color

34.8446, 15.8779, 95.8360



Protanomaly

19.5473, 11.4534, 82.0694



Deuteranomaly

17.0240, 10.8512, 67.5269



Tritanomaly

21.5928, 13.1100, 35.1106

Monochromacy



Original Color

34.8446, 15.8779, 95.8360



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

13.0279, 7.8920, 27.2222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8446, 15.8779, 95.8360 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, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 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, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.8446, 15.8779, 95.8360 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, 0, 255) }
```


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

```
.border{ border-color:rgb(171, 0, 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, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8446, 15.8779, 95.8360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 255) }
```

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

```
.background{ background-color: rgb(171, 0,  
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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