

Converting Colors

XYZ(46.7946, 35.4663, 98.9871)

Have a look what the booklet for
XYZ(46.7946, 35.4663, 98.9871)
contains.

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Color

**XYZ(46.9056, 35.5873,
99.0046)**

Conversions

Conversions Part 1

Format	Color
Hex	B88AFF
RGB	184, 138, 255
RGB Percent	72%, 54%, 100%
CMY	0.2784, 0.4588, 0.0000
CMYK	0.28, 0.46, 0.00, 0.00
HSL	264°, 100%, 77%
HSV	264°, 46%, 100%
XYZ	46.9056, 35.5873, 99.0046
YIQ	165.0920, -10.1410, 46.1390

Conversions

Conversions Part 2

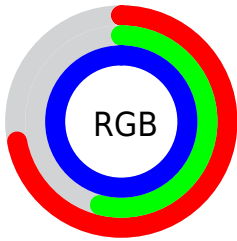
Format	Color
RYB	184, 138, 255
Decimal	12094207
CIELab	66.20, 40.80, -52.03
CIELCh	66, 66.117, 308.101
Yxy	35.5873, 0.2584, 0.1961
Android (android.graphics.Color)	4290284287 (0xFFB88AFF)
YUV	165.0920, 44.3246, 16.5823
Hunter-Lab	59.6551, 35.9546, -56.6401

Details

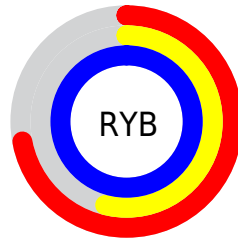
The XYZ color **46.9056, 35.5873, 99.0046** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **66.6422, 86.9104, 37.3090**, and the grayscale version is **35.6071, 37.4614, 40.7955**.

A 20% lighter version of the original color is **73.5176, 63.7965, 103.0469**, and **22.5033, 15.4828, 55.2285** is the 20% darker color. If you saturate the color by 10%, you get **40.1612, 27.3027, 97.7610**, and if you desaturate by 10%, it is **54.9167, 45.8010, 100.5538**.

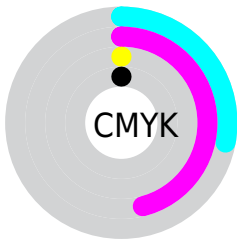
Distribution



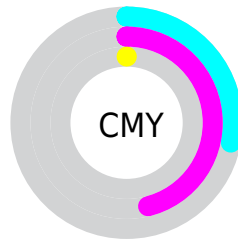
- Red (72%)
- Green (54%)
- Blue (100%)



- Red (72%)
- Yellow (54%)
- Blue (100%)



- Cyan (28%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9056, 35.5873, 99.0046 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 46.9056, 35.5873, 99.0046 by changing the saturation by 10% instead.


 46.9056, 35.5873,
99.0046


 46.9056, 35.5873,
99.0046

365.0928,
327.1531, 578.2160

 33.1687, 24.1156,
74.8573


 84.7923, 68.3946,
161.8285

 22.4155, 15.4194,
54.9949


 109.6728, 90.4990,
201.3422

 14.2809, 9.1143,
38.9991


 138.9985,
116.9165, 246.8150

 8.3993, 4.8158,
26.4512

173.1348,
148.0313, 298.6656

 4.4054, 2.1396,
16.9327

212.4470,
184.2281, 357.3125

 1.9340, 0.6868,
10.0251

257.3005,

 0.5965, 0.0000,

225.8910, 423.1741

5.3098

308.0606,
273.4045, 496.6691

■ 0.0000, 0.0000,
2.3682

■ 0.0000, 0.0000,
0.7691

■ 46.9056, 35.5873,
99.0046

■ 46.9056, 35.5873,
99.0046

■ 40.1612, 27.3027,
97.7610

■ 54.9167, 45.8010,
100.5538

■ 34.6057, 20.8146,
96.8014

■ 64.2583, 58.0563,
102.4269

■ 30.1577, 15.9790,
96.1025

■ 74.9940, 72.4617,
104.6416

■ 26.7221, 12.6273,
95.6366

■ 87.1819, 89.1168,
107.2140

■ 24.1834, 10.5512,
95.3697

95.0500, 100.0000,
108.9000

■ 23.3342, 9.9441,
95.2973

Harmonies

Analogous

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



36.5639, 35.5873, 121.0486



46.9056, 35.5873, 99.0046



54.6108, 35.5873, 62.6971

Triad

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



46.9056, 35.5873, 99.0046



41.3897, 35.5873, 7.0692



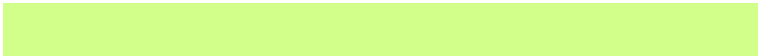
18.3284, 35.5873, 46.9041

Complementary

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



46.9056, 35.5873, 99.0046



66.6422, 86.9104, 37.3090

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.



19.1221, 35.5873, 21.8380



46.9056, 35.5873, 99.0046



31.2258, 35.5873, 6.0391

Square

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



46.9056, 35.5873, 99.0046



51.0201, 35.5873, 13.9945



23.4344, 35.5873, 9.8234



21.0051, 35.5873, 82.7671

Rectangle

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



46.9056, 35.5873, 99.0046



56.4982, 35.5873, 40.5731



23.4344, 35.5873, 9.8234



18.2100, 35.5873, 36.9795

Sweetspot

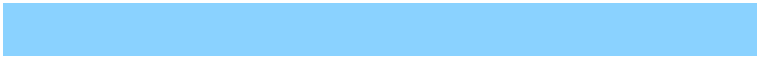
The Sweet Spot groups the original color and five complimentary colors.



46.9068, 35.5886, 99.0048



77.1740, 75.4200, 105.0977



51.6157, 58.7915, 103.2352



15.9841, 15.4181, 22.3835



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.



46.9068, 35.5886, 99.0048



40.7066, 27.9586, 97.8588



63.5343, 44.1604, 99.7829



17.6786, 17.7260, 22.7397



12.3484, 5.2763, 49.8022



1.3208, 0.5748, 4.8546

Inverse Universe

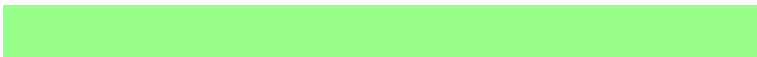
The Inverse Universe completely reimagines the original color for something new.



61.8376, 44.0413, 65.5634



57.7510, 37.6280, 58.7755



53.2317, 79.9970, 36.6814



18.4724, 18.1723, 21.1050



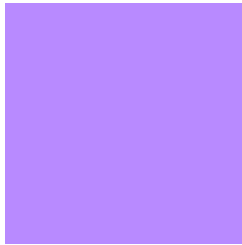
24.7044, 12.3711, 17.6258



2.4591, 1.2260, 1.9993

Previews

White Background



This preview shows how the XYZ color 46.9056, 35.5873, 99.0046 looks on a white background.

Color Contrast Check

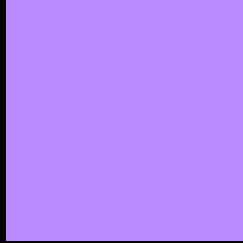
Large Text (above 18pt) WCAG AA × Fail

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 46.9056, 35.5873, 99.0046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

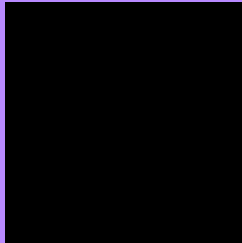
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9056, 35.5873, 99.0046

Background



This preview shows how black text looks on a background with the XYZ color 46.9056, 35.5873, 99.0046.



This preview shows how white text looks on a background with the XYZ color 46.9056, 35.5873,

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

46.9056, 35.5873, 99.0046

Protanopia

38.4452, 35.8847, 99.5079

Deuteranopia

36.9396, 35.9693, 95.4383



Tritanopia

35.4611, 35.3411, 42.9827

Trichromacy



Original Color

46.9056, 35.5873, 99.0046



Protanomaly

40.7937, 35.3730, 99.2853



Deuteranomaly

39.6094, 35.2997, 96.8213



Tritanomaly

38.9045, 35.0284, 59.9690

Monochromacy



Original Color

46.9056, 35.5873, 99.0046



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

38.9276, 36.2906, 58.3792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9056, 35.5873, 99.0046 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(184, 138, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 138, 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(184, 138, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 138, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.9056, 35.5873, 99.0046 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(184, 138, 255) }
```


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

```
.border{ border-color:rgb(184, 138, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 138, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 138, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 138, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 138,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9056, 35.5873, 99.0046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 138, 255) }
```

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

```
.background{ background-color: rgb(184,  
138, 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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