

Converting Colors

XYZ(46.5906, 40.1852, 99.9087)

Have a look what the booklet for
XYZ(46.5906, 40.1852, 99.9087)
contains.

XYZ(46.4253, 39.9986, 99.8814)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.4253, 39.9986,
99.8814)**

Conversions

Conversions Part 1

Format	Color
Hex	A89EFF
RGB	168, 158, 255
RGB Percent	66%, 62%, 100%
CMY	0.3412, 0.3804, 0.0000
CMYK	0.34, 0.38, 0.00, 0.00
HSL	246°, 100%, 81%
HSV	246°, 38%, 100%
XYZ	46.4253, 39.9986, 99.8814
YIQ	172.0480, -25.1770, 32.2870

Conversions

Conversions Part 2

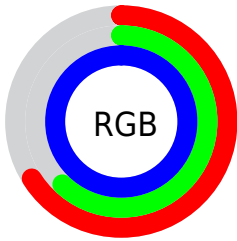
Format	Color
RYB	168, 158, 255
Decimal	11050751
CIELab	69.47, 25.37, -46.97
CIELCh	69, 53.384, 298.376
Yxy	39.9986, 0.2492, 0.2147
Android (android.graphics.Color)	4289240831 (0xFFA89EFF)
YUV	172.0480, 40.8953, -3.5501
Hunter-Lab	63.2444, 20.3522, -49.3651

Details

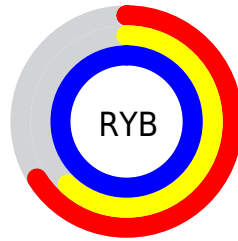
The XYZ color **46.4253, 39.9986, 99.8814** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.5879, 93.4011, 46.1827**, and the grayscale version is **39.0469, 41.0804, 44.7366**.

A 20% lighter version of the original color is **72.8956, 70.8161, 104.4346**, and **22.1328, 18.0374, 55.7411** is the 20% darker color. If you saturate the color by 10%, you get **38.0701, 29.8911, 98.3708**, and if you desaturate by 10%, it is **56.5418, 52.3551, 101.7332**.

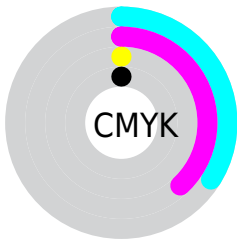
Distribution



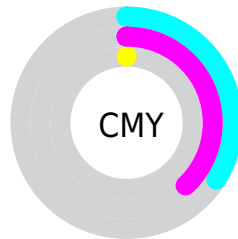
- Red (66%)
- Green (62%)
- Blue (100%)



- Red (66%)
- Yellow (62%)
- Blue (100%)



- Cyan (34%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4253, 39.9986, 99.8814 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 46.4253, 39.9986, 99.8814 by changing the saturation by 10% instead.

46.4253, 39.9986,
99.8814

46.4253, 39.9986,
99.8814

363.2032,
346.1177, 581.0558

32.7876, 27.5375,
75.5852

84.0791, 75.1614,
163.0446

22.1222, 17.9773,
55.5878

108.8259, 98.6318,
202.7487

14.0639, 10.9337,
39.4708

138.0065,
126.5408, 248.4258

8.2471, 6.0223,
26.8155

171.9862,
159.2727, 300.4945

4.3066, 2.8586,
17.2035

211.1304,
197.2119, 359.3733

1.8770, 1.0584,
10.2162

255.8044,

0.5634, 0.0000,

240.7429, 425.4808

5.4351

306.3735,
290.2500, 499.2354

■ 0.0000, 0.0000,
2.4416

■ 0.0000, 0.0000,
0.8089

■ 46.4253, 39.9986,
99.8814

■ 46.4253, 39.9986,
99.8814

■ 38.0701, 29.8911,
98.3708

■ 56.5418, 52.3551,
101.7332

■ 31.3712, 21.8928,
97.1800

■ 68.5086, 67.0804,
103.9448

■ 26.2184, 15.8546,
96.2861

■ 82.4134, 84.2912,
106.5339

■ 22.4863, 11.6065,
95.6629

95.0500, 100.0000,
108.9000

■ 20.0297, 8.9488,
95.2794

■ 18.6627, 7.6165,
95.0942

■ 18.4835, 7.4435,
95.0703

Harmonies

Analogous

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



37.5509, 39.9986, 110.0662



46.4253, 39.9986, 99.8814



53.8982, 39.9986, 73.3831

Triad

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



46.4253, 39.9986, 99.8814



47.3585, 39.9986, 14.4023



23.7745, 39.9986, 42.2237

Complementary

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



46.4253, 39.9986, 99.8814



79.5879, 93.4011, 46.1827

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.



25.6096, 39.9986, 23.1490



46.4253, 39.9986, 99.8814



38.4879, 39.9986, 11.3036

Square

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



46.4253, 39.9986, 99.8814



54.4916, 39.9986, 24.7076



30.6915, 39.9986, 13.7702



25.2513, 39.9986, 70.1415

Rectangle

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



46.4253, 39.9986, 99.8814



56.6119, 39.9986, 53.8019



30.6915, 39.9986, 13.7702



24.0183, 39.9986, 34.6938

Sweetspot

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



46.4266, 40.0000, 99.8816



78.0878, 78.9277, 105.7266



64.8945, 79.9761, 106.6244



16.3027, 16.3844, 22.5532



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.



46.4266, 40.0000, 99.8816



39.6352, 31.7755, 98.6520



58.6558, 46.3044, 100.4539



17.1767, 17.4673, 22.7162



9.7143, 3.9184, 49.6789



1.0006, 0.4097, 4.8396

Inverse Universe

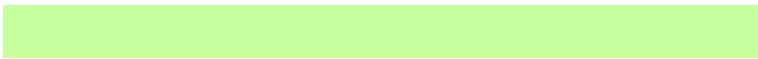
The Inverse Universe completely reimagines the original color for something new.



69.9488, 52.3074, 92.7955



66.4490, 45.8164, 90.0611



64.9060, 85.8323, 45.4956



18.7072, 18.2662, 22.3412



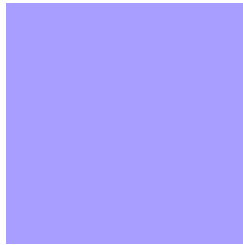
28.9503, 14.0694, 39.9843



2.8411, 1.3788, 4.0105

Previews

White Background



This preview shows how the XYZ color 46.4253, 39.9986, 99.8814 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 46.4253, 39.9986, 99.8814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

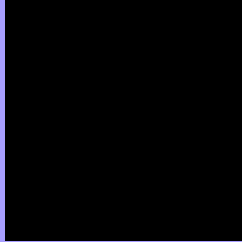
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4253, 39.9986, 99.8814

Background



This preview shows how black text looks on a background with the XYZ color 46.4253, 39.9986, 99.8814.



This preview shows how white text looks on a background with the XYZ color 46.4253, 39.9986,

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

46.4253, 39.9986, 99.8814

Protanopia

42.5162, 40.3464, 100.1545

Deuteranopia

41.4333, 40.3733, 98.5376



Tritanopia

36.7523, 39.8225, 52.2038

Trichromacy



Original Color

46.4253, 39.9986, 99.8814

Protanomaly

43.9031, 40.2549, 100.0638

Deuteranomaly

43.0216, 40.0858, 99.2358

Tritanomaly

39.6771, 39.6097, 67.1822

Monochromacy



Original Color

46.4253, 39.9986, 99.8814

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.2740, 40.5596, 61.5305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4253, 39.9986, 99.8814 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(168, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 158, 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(168, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 158, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.4253, 39.9986, 99.8814 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(168, 158, 255) }
```


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

```
.border{ border-color:rgb(168, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 158,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4253, 39.9986, 99.8814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 158, 255) }
```

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

```
.background{ background-color: rgb(168,  
158, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor