

Converting Colors

XYZ(46.7446, 40.1885, 99.9012)

Have a look what the booklet for
XYZ(46.7446, 40.1885, 99.9012)
contains.

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Color

**XYZ(46.6390, 40.1087,
99.8914)**

Conversions

Conversions Part 1

Format	Color
Hex	A99EFF
RGB	169, 158, 255
RGB Percent	66%, 62%, 100%
CMY	0.3372, 0.3804, 0.0000
CMYK	0.34, 0.38, 0.00, 0.00
HSL	247°, 100%, 81%
HSV	247°, 38%, 100%
XYZ	46.6390, 40.1087, 99.8914
YIQ	172.3470, -24.5810, 32.4990

Conversions

Conversions Part 2

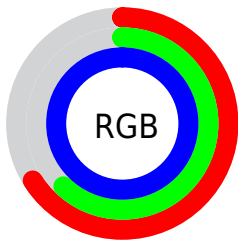
Format	Color
R _Y B	169, 158, 255
Decimal	11116287
CIE Lab	69.55, 25.64, -46.84
CIE LCh	70, 53.398, 298.692
Yxy	40.1087, 0.2499, 0.2149
Android (android.graphics.Color)	4289306367 (0xFFA99EFF)
YUV	172.3470, 40.7479, -2.9353
Hunter-Lab	63.3314, 20.6223, -49.1849

Details

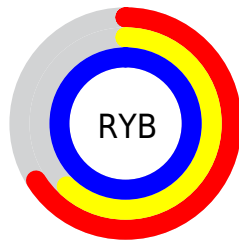
The XYZ color **46.6390, 40.1087, 99.8914** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.2398, 93.2217, 46.1663**, and the grayscale version is **39.1984, 41.2398, 44.9102**.

A 20% lighter version of the original color is **73.2083, 70.9773, 104.4492**, and **22.2608, 18.1033, 55.7471** is the 20% darker color. If you saturate the color by 10%, you get **38.2942, 30.0066, 98.3813**, and if you desaturate by 10%, it is **56.7274, 52.4507, 101.7419**.

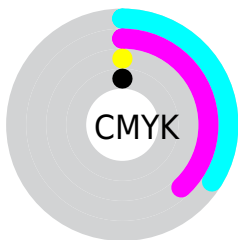
Distribution



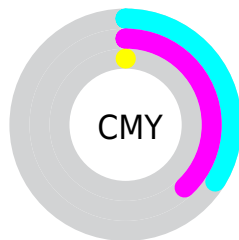
- Red (66%)
- Green (62%)
- Blue (100%)



- 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 46.6390, 40.1087, 99.8914 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 46.6390, 40.1087, 99.8914 by changing the saturation by 10% instead.

46.6390, 40.1087,
99.8914

46.6390, 40.1087,
99.8914

364.0447,
346.5815, 581.0881

32.9571, 27.6233,
75.5935

84.3965, 75.3290,
163.0585

22.2527, 18.0419,
55.5946

109.2029, 98.8327,
202.7648

14.1603, 10.9801,
39.4761

138.4481,
126.7780, 248.4442

8.3147, 6.0534,
26.8197

172.4976,
159.5492, 300.5154

4.3505, 2.8776,
17.2066

211.7166,
197.5308, 359.3968

1.9023, 1.0682,
10.2184

256.4706,

0.5781, 0.0000,

241.1071, 425.5071

5.4365

307.1248,
290.6625, 499.2647

■ 0.0000, 0.0000,
2.4424

■ 0.0000, 0.0000,
0.8094

■ 46.6390, 40.1087,
99.8914

■ 46.6390, 40.1087,
99.8914

■ 38.2942, 30.0066,
98.3813

■ 56.7274, 52.4507,
101.7419

■ 31.5895, 22.0053,
97.1902

■ 68.6469, 67.1516,
103.9512

■ 26.4169, 15.9570,
96.2954

■ 82.4837, 84.3273,
106.5372

■ 22.6532, 11.6926,
95.6707

95.0500, 100.0000,
108.9000

■ 20.1560, 9.0139,
95.2853

■ 18.7429, 7.6578,
95.0980

■ 18.5544, 7.4800,
95.0736

Harmonies

Analogous

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



37.7453, 40.1087, 110.3238



46.6390, 40.1087, 99.8914



54.0951, 40.1087, 73.2463

Triad

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



46.6390, 40.1087, 99.8914



47.3921, 40.1087, 14.3893



23.8462, 40.1087, 42.5977

Complementary

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



46.6390, 40.1087, 99.8914



79.2398, 93.2217, 46.1663

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.



25.6506, 40.1087, 23.3704



46.6390, 40.1087, 99.8914



38.5014, 40.1087, 11.3446

Square

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



46.6390, 40.1087, 99.8914



54.5739, 40.1087, 24.6284



30.7108, 40.1087, 13.8790



25.3614, 40.1087, 70.6307

Rectangle

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



46.6390, 40.1087, 99.8914



56.7776, 40.1087, 53.6479



30.7108, 40.1087, 13.8790



24.0789, 40.1087, 35.0157

Sweetspot

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



46.6403, 40.1102, 99.8916



78.1807, 78.9755, 105.7310



64.8945, 79.9761, 106.6244



16.3247, 16.3957, 22.5542



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.



46.6403, 40.1102, 99.8916



39.8586, 31.8906, 98.6625



58.6558, 46.3043, 100.4539



17.1942, 17.4764, 22.7170



9.7556, 3.9397, 49.6808



1.0088, 0.4140, 4.8400

Inverse Universe

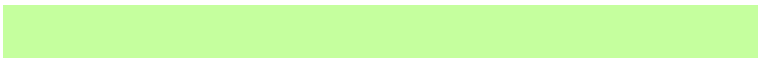
The Inverse Universe completely reimagines the original color for something new.



69.7964, 52.2464, 91.9933



66.2670, 45.7436, 89.1026



64.9059, 85.8323, 45.4955



18.6987, 18.2628, 22.2965



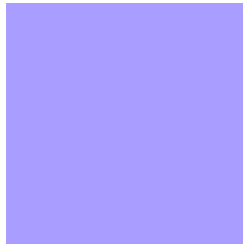
28.7629, 13.9945, 38.9976



2.8247, 1.3723, 3.9244

Previews

White Background



This preview shows how the XYZ color 46.6390, 40.1087, 99.8914 looks on a white background.

Color Contrast Check

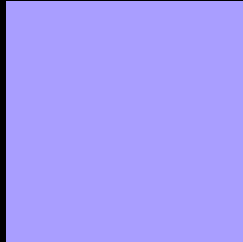
Large Text (above 18pt) WCAG AA × Fail

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 46.6390, 40.1087, 99.8914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

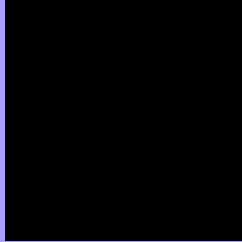
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6390, 40.1087, 99.8914

Background



This preview shows how black text looks on a background with the XYZ color 46.6390, 40.1087, 99.8914.



This preview shows how white text looks on a background with the XYZ color 46.6390, 40.1087,

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

46.6390, 40.1087, 99.8914

Protanopia

42.5162, 40.3464, 100.1545

Deuteranopia

41.5905, 40.4543, 98.5449



Tritanopia

36.9419, 39.9202, 52.2127

Trichromacy



Original Color

46.6390, 40.1087, 99.8914

Protanomaly

43.9031, 40.2549, 100.0638

Deuteranomaly

43.1986, 40.1770, 99.2441

Tritanomaly

39.8747, 39.7115, 67.1915

Monochromacy



Original Color

46.6390, 40.1087, 99.8914

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 46.6390, 40.1087, 99.8914 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(169, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 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(169, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 158, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.6390, 40.1087, 99.8914 is called "border". The border property can be set on classes, ids or directly on the HTML element.

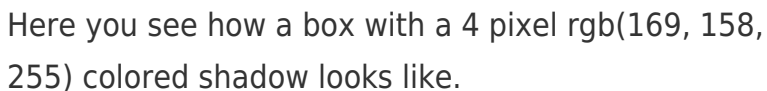
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 158, 255) }
```


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

```
.border{ border-color:rgb(169, 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(169, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 158, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 158, 255); box-shadow:4px 4px 4px 4px rgb(169, 158, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6390, 40.1087, 99.8914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 158, 255) }
```

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

```
.background{ background-color: rgb(169,  
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](#).

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