

Converting Colors

XYZ(56.5646, 44.5200,
155.3194)

Have a look what the booklet for
XYZ(56.5646, 44.5200, 155.3194)
contains.

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Color

**XYZ(46.1379, 40.3609,
99.9665)**

Conversions

Conversions Part 1

Format	Color
Hex	A5A0FF
RGB	165, 160, 255
RGB Percent	65%, 63%, 100%
CMY	0.3529, 0.3725, 0.0000
CMYK	0.35, 0.37, 0.00, 0.00
HSL	243°, 100%, 81%
HSV	243°, 37%, 100%
XYZ	46.1379, 40.3609, 99.9665
YIQ	172.3250, -27.5150, 30.6050

Conversions

Conversions Part 2

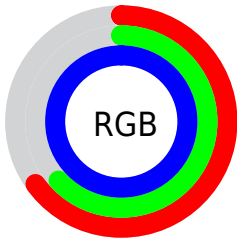
Format	Color
RYB	165, 160, 255
Decimal	10854655
CIELab	69.73, 23.45, -46.58
CIELCh	70, 52.150, 296.719
Yxy	40.3609, 0.2474, 0.2165
Android (android.graphics.Color)	4289044735 (0xFFA5A0FF)
YUV	172.3250, 40.7588, -6.4240
Hunter-Lab	63.5302, 18.4551, -48.8232

Details

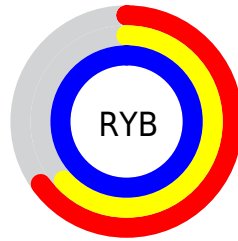
The XYZ color **46.1379, 40.3609, 99.9665** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.5292, 94.3819, 47.1794**, and the grayscale version is **39.1884, 41.2292, 44.8986**.

A 20% lighter version of the original color is **72.4746, 71.3505, 104.5599**, and **21.9684, 18.2657, 55.7939** is the 20% darker color. If you saturate the color by 10%, you get **37.6032, 30.0588, 98.4278**, and if you desaturate by 10%, it is **56.5307, 52.9682, 101.8521**.

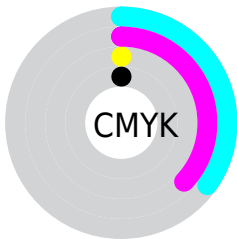
Distribution



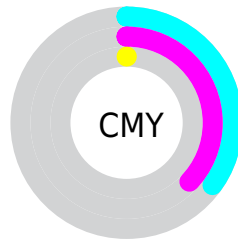
- Red (65%)
- Green (63%)
- Blue (100%)



- Red (65%)
- Yellow (63%)
- Blue (100%)



- Cyan (35%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1379, 40.3609, 99.9665 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 46.1379, 40.3609, 99.9665 by changing the saturation by 10% instead.


 46.1379, 40.3609,
99.9665


 46.1379, 40.3609,
99.9665


362.0694,
347.6424, 581.3310

 32.5597, 27.8200,
75.6558


 83.6519, 75.7128,
163.1626

 21.9470, 18.1901,
55.6454

 108.3185, 99.2926,
202.8852

 13.9344, 11.0865,
39.5166

137.4120,
127.3208, 248.5821

 8.1564, 6.1251,
26.8509

171.2976,
160.1819, 300.6719

 4.2478, 2.9213,
17.2298

210.3408,
198.2602, 359.5731

 1.8433, 1.0908,
10.2348

254.9070,

 0.5435, 0.0000,

241.9401, 425.7044

5.4473

305.3614,
291.6060, 499.4842

■ 0.0000, 0.0000,
2.4487

■ 0.0000, 0.0000,
0.8128

■ 46.1379, 40.3609,
99.9665

■ 46.1379, 40.3609,
99.9665

■ 37.6032, 30.0588,
98.4278

■ 56.5307, 52.9682,
101.8521

■ 30.8134, 21.9183,
97.2144

■ 68.8782, 68.0038,
104.1035

■ 25.6488, 15.7865,
96.3030

■ 83.2748, 85.5875,
106.7387

■ 21.9733, 11.4888,
95.6672

95.0500, 100.0000,
108.9000

■ 19.6282, 8.8206,
95.2758

■ 18.4157, 7.5214,
95.0889

■ 18.2223, 7.3088,
95.0581

Harmonies

Analogous

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



37.4398, 40.3609, 108.6667



46.1379, 40.3609, 99.9665



53.6054, 40.3609, 74.7332

Triad

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



46.1379, 40.3609, 99.9665



47.9828, 40.3609, 15.4011



24.3236, 40.3609, 41.3374

Complementary

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



46.1379, 40.3609, 99.9665



81.5292, 94.3819, 47.1794

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.



26.3224, 40.3609, 23.0435



46.1379, 40.3609, 99.9665



39.2989, 40.3609, 11.9436

Square

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



46.1379, 40.3609, 99.9665



54.7756, 40.3609, 26.1738



31.5126, 40.3609, 14.1154



25.6059, 40.3609, 68.3544

Rectangle

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



46.1379, 40.3609, 99.9665



56.4406, 40.3609, 55.5218



31.5126, 40.3609, 14.1154



24.6258, 40.3609, 34.1028

Sweetspot

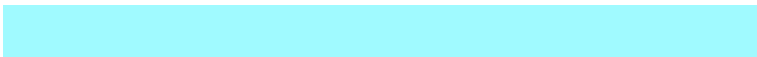
The Sweet Spot groups the original color and five complimentary colors.



46.1392, 40.3624, 99.9667



77.6359, 78.6947, 105.7055



66.8111, 83.2206, 107.1496



16.1961, 16.3294, 22.5482



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.



46.1392, 40.3624, 99.9667



39.3706, 32.1871, 98.7454



57.8451, 46.3970, 100.5145



17.0915, 17.4234, 22.7122



9.5576, 3.8376, 49.6716



0.9603, 0.3890, 4.8377

Inverse Universe

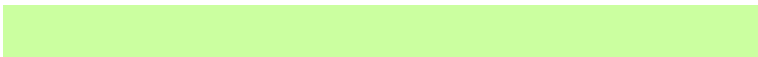
The Inverse Universe completely reimagines the original color for something new.



71.0663, 53.3046, 96.9843



67.7470, 46.9263, 95.0755



66.6664, 86.7198, 46.4839



18.7489, 18.2829, 22.5610



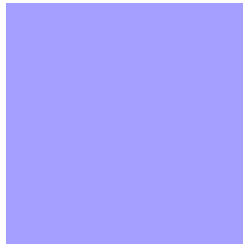
29.9078, 14.4524, 45.0266



2.9242, 1.4120, 4.4481

Previews

White Background



This preview shows how the XYZ color 46.1379, 40.3609, 99.9665 looks on a white background.

Color Contrast Check

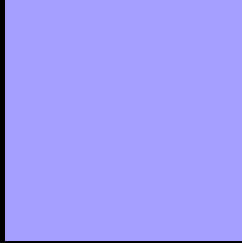
Large Text (above 18pt) WCAG AA × Fail

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 46.1379, 40.3609, 99.9665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

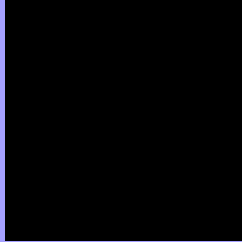
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1379, 40.3609, 99.9665

Background



This preview shows how black text looks on a background with the XYZ color 46.1379, 40.3609, 99.9665.



This preview shows how white text looks on a background with the XYZ color 46.1379, 40.3609,

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

46.1379, 40.3609, 99.9665

Protanopia

42.6839, 40.4329, 100.1624

Deuteranopia

41.5905, 40.4543, 98.5449



Tritanopia

36.7908, 40.3870, 53.4333

Trichromacy



Original Color

46.1379, 40.3609, 99.9665

Protanomaly

43.7199, 40.1605, 100.0552

Deuteranomaly

43.2027, 40.4479, 99.2961

Tritanomaly

39.5892, 40.0980, 67.9405

Monochromacy



Original Color

46.1379, 40.3609, 99.9665

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.0255, 40.7045, 61.5716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1379, 40.3609, 99.9665 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(165, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 160, 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(165, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.1379, 40.3609, 99.9665 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(165, 160, 255) }
```


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

```
.border{ border-color:rgb(165, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 160,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1379, 40.3609, 99.9665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 160, 255) }
```

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

```
.background{ background-color: rgb(165,  
160, 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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