

Converting Colors

XYZ(58.0164, 47.6422,
158.9150)

Have a look what the booklet for
XYZ(58.0164, 47.6422, 158.9150)
contains.

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Color

**XYZ(46.9359, 43.1730,
100.4672)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A1A9FF |
| RGB | 161, 169, 255 |
| RGB Percent | 63%, 66%, 100% |
| CMY | 0.3686, 0.3372, 0.0000 |
| CMYK | 0.37, 0.34, 0.00, 0.00 |
| HSL | 235°, 100%, 82% |
| HSV | 235°, 37%, 100% |
| XYZ | 46.9359, 43.1730, 100.4672 |
| YIQ | 176.4120, -32.3740, 25.0500 |

Conversions

Conversions Part 2

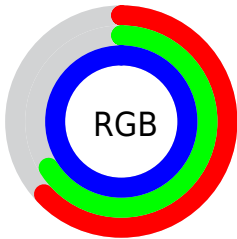
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 161, 168, 255 |
| Decimal | 10594815 |
| CIE Lab | 71.67, 17.31, -43.55 |
| CIE LCh | 72, 46.864, 291.677 |
| Yxy | 43.1730, 0.2463, 0.2265 |
| Android (android.graphics.Color) | 4288784895 (0xFFA1A9FF) |
| YUV | 176.4120, 38.7439, -13.5163 |
| Hunter-Lab | 65.7062, 12.5222, -44.6623 |

Details

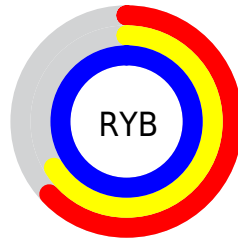
The XYZ color **46.9359, 43.1730, 100.4672** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.9345, 90.3555, 46.8947**, and the grayscale version is **41.2992, 43.4499, 47.3170**.

A 20% lighter version of the original color is **73.6191, 75.4367, 105.2883**, and **22.3800, 19.8031, 56.0689** is the 20% darker color. If you saturate the color by 10%, you get **38.3515, 32.8699, 98.9309**, and if you desaturate by 10%, it is **57.3452, 55.5680, 102.3110**.

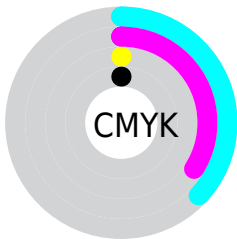
Distribution



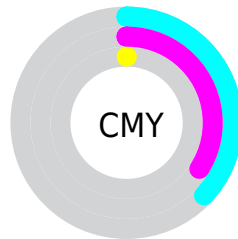
- Red (63%)
- Green (66%)
- Blue (100%)



- Red (63%)
- Yellow (66%)
- Blue (100%)



- Cyan (37%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9359, 43.1730, 100.4672 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 46.9359, 43.1730, 100.4672 by changing the saturation by 10% instead.

■ 46.9359, 43.1730,
100.4672

■ 46.9359, 43.1730,
100.4672

365.2118,
359.3227, 582.9490

■ 33.1927, 30.0209,
76.0717

■ 84.8373, 79.9719,
163.8565

■ 22.4341, 19.8544,
55.9843

■ 109.7261,
104.3874, 203.6875

■ 14.2946, 12.2893,
39.7864

139.0610,
133.3262, 249.5007

■ 8.4089, 6.9410,
27.0595

173.2071,
167.1726, 301.7146

■ 4.4117, 3.4252,
17.3851

212.5299,
206.3111, 360.7479

■ 1.9376, 1.3576,
10.3446

257.3947,

■ 0.5985, 0.1851,

251.1260, 427.0190

5.5194

308.1669,
302.0018, 500.9465

■ 0.0000, 0.0000,
2.4911

■ 0.0000, 0.0000,
0.8355

■ 46.9359, 43.1730,
100.4672

■ 46.9359, 43.1730,
100.4672

■ 38.3515, 32.8699,
98.9309

■ 57.3452, 55.5680,
102.3110

■ 31.4827, 24.5387,
97.6849

■ 69.6722, 70.1569,
104.4773

■ 26.2145, 18.0543,
96.7109

■ 84.0080, 87.0403,
106.9805

■ 22.4165, 13.2753,
95.9886

95.0500, 100.0000,
108.9000

■ 19.9373, 10.0393,
95.4947

■ 18.5901, 8.1515,
95.2013

■ 18.3312, 7.7824,
95.1437

Harmonies

Analogous

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



38.8643, 43.1730, 104.8970



46.9359, 43.1730, 100.4672



54.2145, 43.1730, 79.6655

Triad

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



46.9359, 43.1730, 100.4672



51.2478, 43.1730, 20.3737



27.7068, 43.1730, 40.9591

Complementary

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



46.9359, 43.1730, 100.4672



80.9345, 90.3555, 46.8947

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.



30.1852, 43.1730, 24.7748



46.9359, 43.1730, 100.4672



43.2843, 43.1730, 15.6609

Square

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



46.9359, 43.1730, 100.4672



56.9190, 43.1730, 32.6372



35.6500, 43.1730, 16.9599



28.4201, 43.1730, 65.0778

Rectangle

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



46.9359, 43.1730, 100.4672



57.3000, 43.1730, 62.1360



35.6500, 43.1730, 16.9599



28.1815, 43.1730, 34.5594

Sweetspot

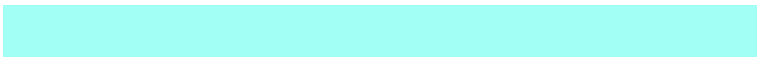
The Sweet Spot groups the original color and five complimentary colors.



46.9373, 43.1746, 100.4674



77.8254, 79.7681, 105.9027



67.0320, 85.7268, 99.8815



16.2408, 16.5825, 22.5947



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.



46.9373, 43.1746, 100.4674



40.6279, 35.6115, 99.3401



54.2434, 44.7990, 100.3959



17.1272, 17.6261, 22.7494



9.6209, 4.1514, 49.7288



0.9772, 0.4851, 4.8554

Inverse Universe

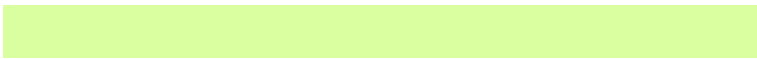
The Inverse Universe completely reimagines the original color for something new.



61.1473, 49.6158, 43.8916



56.7285, 43.1233, 35.1892



70.9282, 88.9067, 47.1425



18.0721, 18.0122, 18.9969



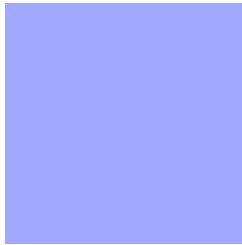
21.6444, 11.1470, 1.5119



2.1279, 1.0935, 0.2547

Previews

White Background



This preview shows how the XYZ color 46.9359, 43.1730, 100.4672 looks on a white background.

Color Contrast Check

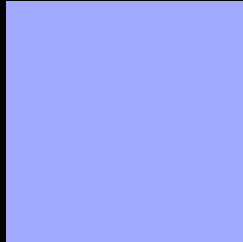
Large Text (above 18pt) WCAG AA × Fail

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 46.9359, 43.1730, 100.4672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

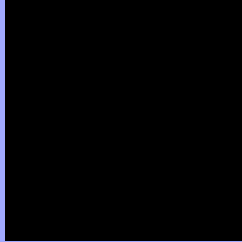
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9359, 43.1730, 100.4672

Background



This preview shows how black text looks on a background with the XYZ color 46.9359, 43.1730, 100.4672.



This preview shows how white text looks on a background with the XYZ color 46.9359, 43.1730,

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

46.9359, 43.1730, 100.4672

Protanopia

45.2063, 43.4030, 100.6027

Deuteranopia

44.5270, 43.3572, 99.7879



Tritanopia

38.4068, 43.1909, 57.9422

Trichromacy



Original Color

46.9359, 43.1730, 100.4672

Protanomaly

45.9394, 43.4974, 100.5823

Deuteranomaly

45.2196, 43.1448, 99.7104

Tritanomaly

41.1954, 43.1294, 71.7992

Monochromacy



Original Color

46.9359, 43.1730, 100.4672

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.7576, 42.9528, 63.7948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9359, 43.1730, 100.4672 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(161, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 169, 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(161, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 169, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.9359, 43.1730, 100.4672 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(161, 169, 255) }
```


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

```
.border{ border-color:rgb(161, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 169,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9359, 43.1730, 100.4672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 169, 255) }
```

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

```
.background{ background-color: rgb(161,  
169, 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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