

Converting Colors

XYZ(47.8344, 44.0315,
107.1955)

Have a look what the booklet for
XYZ(47.8344, 44.0315, 107.1955)
contains.

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Color

**XYZ(46.5175, 43.5139,
100.5550)**

Conversions

Conversions Part 1

Format	Color
Hex	9DABFF
RGB	157, 171, 255
RGB Percent	62%, 67%, 100%
CMY	0.3843, 0.3294, 0.0000
CMYK	0.38, 0.33, 0.00, 0.00
HSL	231°, 100%, 81%
HSV	231°, 38%, 100%
XYZ	46.5175, 43.5139, 100.5550
YIQ	176.3900, -35.3080, 23.1560

Conversions

Conversions Part 2

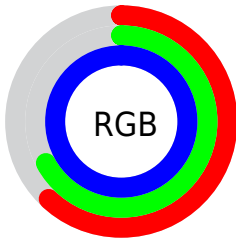
Format	Color
RYB	157, 169, 255
Decimal	10333183
CIELab	71.90, 15.14, -43.21
CIELCh	72, 45.785, 289.310
Yxy	43.5139, 0.2441, 0.2283
Android (android.graphics.Color)	4288523263 (0xFF9DABFF)
YUV	176.3900, 38.7547, -17.0050
Hunter-Lab	65.9651, 10.4365, -44.2042

Details

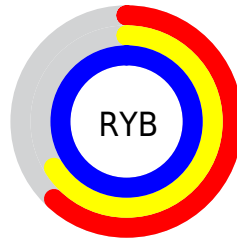
The XYZ color **46.5175, 43.5139, 100.5550** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.7818, 86.6057, 44.4645**, and the grayscale version is **41.2887, 43.4389, 47.3050**.

A 20% lighter version of the original color is **72.9779, 75.9089, 105.4133**, and **22.1567, 20.0376, 56.1259** is the 20% darker color. If you saturate the color by 10%, you get **38.2589, 33.6267, 99.0819**, and if you desaturate by 10%, it is **56.4998, 55.3048, 102.3048**.

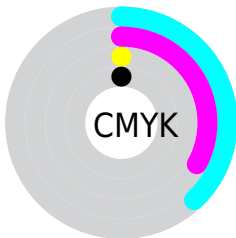
Distribution



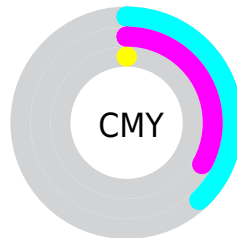
- Red (62%)
- Green (67%)
- Blue (100%)



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



- Cyan (38%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5175, 43.5139, 100.5550 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 46.5175, 43.5139, 100.5550 by changing the saturation by 10% instead.

■ 46.5175, 43.5139,
100.5550

■ 46.5175, 43.5139,
100.5550

363.5664,
360.7209, 583.2325

■ 32.8607, 30.2885,
76.1447

■ 84.2161, 80.4858,
163.9782

■ 22.1785, 20.0577,
56.0438

■ 108.9886,
105.0011, 203.8281

■ 14.1055, 12.4370,
39.8338

138.1971,
134.0485, 249.6617

■ 8.2762, 7.0420,
27.0962

172.2069,
168.0124, 301.8974

■ 4.3255, 3.4884,
17.4124

211.3834,
207.2772, 360.9537

■ 1.8879, 1.3917,
10.3639

256.0919,

■ 0.5698, 0.2106,

252.2273, 427.2494

5.5321

306.6978,
303.2471, 501.2028

■ 0.0000, 0.0000,
2.4986

■ 0.0000, 0.0000,
0.8394

■ 46.5175, 43.5139,
100.5550

■ 46.5175, 43.5139,
100.5550

■ 38.2589, 33.6267,
99.0819

■ 56.4998, 55.3048,
102.3048

■ 31.6210, 25.5378,
97.8704

■ 68.2922, 69.0877,
104.3436

■ 26.4966, 19.1387,
96.9054

■ 81.9803, 84.9511,
106.6841

■ 22.7631, 14.3070,
96.1695

95.0500, 100.0000,
108.9000

■ 20.2783, 10.9031,
95.6435

■ 18.8542, 8.7540,
95.3037

■ 18.6939, 8.5078,
95.2646

Harmonies

Analogous

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



38.6394, 43.5139, 103.3393



46.5175, 43.5139, 100.5550



53.8009, 43.5139, 81.2503

Triad

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



46.5175, 43.5139, 100.5550



51.9241, 43.5139, 21.7088



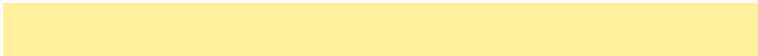
28.3057, 43.5139, 39.8523

Complementary

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



46.5175, 43.5139, 100.5550



78.7818, 86.6057, 44.4645

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.



30.9998, 43.5139, 24.5360



46.5175, 43.5139, 100.5550



44.2026, 43.5139, 16.4709

Square

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



46.5175, 43.5139, 100.5550



57.1835, 43.5139, 34.5510



36.5961, 43.5139, 17.3107



28.7611, 43.5139, 63.0446

Rectangle

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



46.5175, 43.5139, 100.5550



57.0305, 43.5139, 64.2270



36.5961, 43.5139, 17.3107



28.8581, 43.5139, 33.7700

Sweetspot

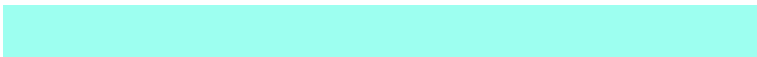
The Sweet Spot groups the original color and five complimentary colors.



46.5189, 43.5155, 100.5553



76.8707, 79.0434, 105.8131



65.4383, 84.9977, 95.6296



16.0666, 16.4705, 22.5823



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.



46.5189, 43.5155, 100.5553



40.1127, 35.8599, 99.4152



51.6697, 42.4510, 100.0783



17.2123, 17.7962, 22.7778



9.8308, 4.5712, 49.7988



1.0172, 0.5650, 4.8687

Inverse Universe

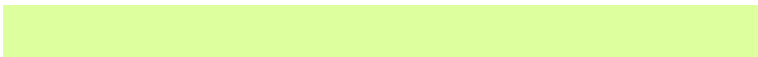
The Inverse Universe completely reimagines the original color for something new.



60.6486, 48.3157, 44.6589



56.1563, 41.6993, 35.8606



71.5741, 89.2798, 45.3605



18.1151, 18.0293, 19.2230



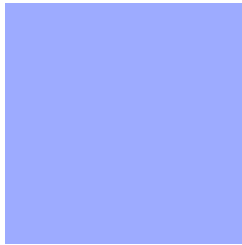
21.7503, 11.1894, 2.0699



2.1480, 1.1016, 0.3609

Previews

White Background



This preview shows how the XYZ color 46.5175, 43.5139, 100.5550 looks on a white background.

Color Contrast Check

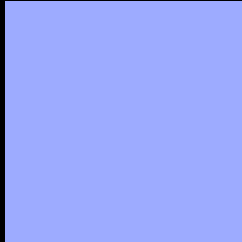
Large Text (above 18pt) WCAG AA × Fail

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 46.5175, 43.5139, 100.5550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

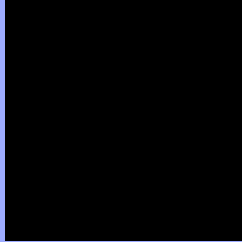
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5175, 43.5139, 100.5550

Background



This preview shows how black text looks on a background with the XYZ color 46.5175, 43.5139, 100.5550.



This preview shows how white text looks on a background with the XYZ color 46.5175, 43.5139,

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

46.5175, 43.5139, 100.5550

Protanopia

45.3880, 43.4967, 100.6112

Deuteranopia

44.7025, 43.4476, 99.7961



Tritanopia

38.1337, 43.3268, 59.1764

Trichromacy



Original Color

46.5175, 43.5139, 100.5550

Protanomaly

45.7514, 43.4004, 100.5735

Deuteranomaly

45.2274, 43.4325, 99.7655

Tritanomaly

40.7880, 43.1986, 72.5181

Monochromacy



Original Color

46.5175, 43.5139, 100.5550

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.5177, 43.1149, 63.8387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5175, 43.5139, 100.5550 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(157, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 171, 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(157, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.5175, 43.5139, 100.5550 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(157, 171, 255) }
```


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

```
.border{ border-color:rgb(157, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 171,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5175, 43.5139, 100.5550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 171, 255) }
```

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

```
.background{ background-color: rgb(157,  
171, 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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