

Converting Colors

XYZ(46.3255, 41.8655,
100.2470)

Have a look what the booklet for
XYZ(46.3255, 41.8655, 100.2470)
contains.

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Color

**XYZ(46.2031, 41.7073,
100.2229)**

Conversions

Conversions Part 1

Format	Color
Hex	A1A5FF
RGB	161, 165, 255
RGB Percent	63%, 65%, 100%
CMY	0.3686, 0.3529, 0.0000
CMYK	0.37, 0.35, 0.00, 0.00
HSL	237°, 100%, 82%
HSV	237°, 37%, 100%
XYZ	46.2031, 41.7073, 100.2229
YIQ	174.0640, -31.2740, 27.1420

Conversions

Conversions Part 2

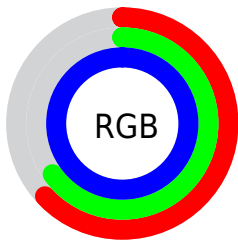
Format	Color
RYB	161, 165, 255
Decimal	10593791
CIELab	70.67, 19.57, -45.12
CIELCh	71, 49.182, 293.446
Yxy	41.7073, 0.2456, 0.2217
Android (android.graphics.Color)	4288783871 (0xFFA1A5FF)
YUV	174.0640, 39.9014, -11.4571
Hunter-Lab	64.5812, 14.6866, -46.8047

Details

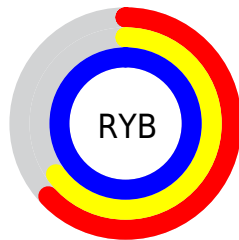
The XYZ color **46.2031, 41.7073, 100.2229** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.1711, 92.8287, 47.3071**, and the grayscale version is **40.0792, 42.1665, 45.9193**.

A 20% lighter version of the original color is **72.5566, 73.3118, 104.9342**, and **21.9239, 18.8907, 55.9168** is the 20% darker color. If you saturate the color by 10%, you get **37.5872, 31.3412, 98.6761**, and if you desaturate by 10%, it is **56.7101, 54.2977, 102.0993**.

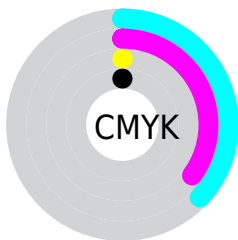
Distribution



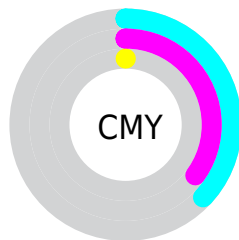
- Red (63%)
- Green (65%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2031, 41.7073, 100.2229 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 46.2031, 41.7073, 100.2229 by changing the saturation by 10% instead.

■ 46.2031, 41.7073,
100.2229

■ 46.2031, 41.7073,
100.2229

362.3268,
353.2681, 582.1599

■ 32.6114, 28.8722,
75.8688

■ 83.7489, 77.7564,
163.5180

■ 21.9867, 18.9841,
55.8189

■ 108.4337,
101.7392, 203.2961

■ 13.9637, 11.6588,
39.6547

137.5469,
130.2067, 249.0526

■ 8.1770, 6.5118,
26.9577

171.4539,
163.5433, 301.2060

■ 4.2611, 3.1587,
17.3093

210.5201,
202.1333, 360.1749

■ 1.8509, 1.2151,
10.2910

255.1107,

■ 0.5481, 0.0740,

246.3612, 426.3778

5.4842

305.5912,
296.6113, 500.2333

■ 0.0000, 0.0000,
2.4704

■ 0.0000, 0.0000,
0.8244

■ 46.2031, 41.7073,
100.2229

■ 46.2031, 41.7073,
100.2229

■ 37.5872, 31.3412,
98.6761

■ 56.7101, 54.2977,
102.0993

■ 30.7462, 23.0658,
97.4394

■ 69.2071, 69.2265,
104.3222

■ 25.5576, 16.7404,
96.4919

■ 83.7907, 86.6054,
106.9080

■ 21.8814, 12.2050,
95.8103

95.0500, 100.0000,
108.9000

■ 19.5547, 9.2741,
95.3672

■ 18.3749, 7.7210,
95.1296

■ 18.1679, 7.4559,
95.0893

Harmonies

Analogous

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



37.8811, 41.7073, 106.1133



46.2031, 41.7073, 100.2229



53.5956, 41.7073, 77.6957

Triad

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



46.2031, 41.7073, 100.2229



49.7169, 41.7073, 18.0764



26.0327, 41.7073, 40.4837

Complementary

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



46.2031, 41.7073, 100.2229



82.1711, 92.8287, 47.3071

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.



28.3477, 41.7073, 23.5990



46.2031, 41.7073, 100.2229



41.4557, 41.7073, 13.8435

Square

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



46.2031, 41.7073, 100.2229



55.8107, 41.7073, 29.8056



33.7326, 41.7073, 15.4458



26.9424, 41.7073, 65.6915

Rectangle

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



46.2031, 41.7073, 100.2229



56.6231, 41.7073, 59.4239



33.7326, 41.7073, 15.4458



26.4479, 41.7073, 33.7967

Sweetspot

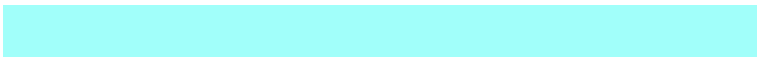
The Sweet Spot groups the original color and five complimentary colors.



46.2045, 41.7088, 100.2231



77.4956, 79.1084, 105.7927



67.7613, 86.0185, 103.7213



16.1630, 16.4269, 22.5688



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.



46.2045, 41.7088, 100.2231



39.8661, 34.0878, 99.0862



55.5067, 45.4503, 100.4550



17.0650, 17.5015, 22.7287



9.5198, 3.9492, 49.6951



0.9477, 0.4262, 4.8456

Inverse Universe

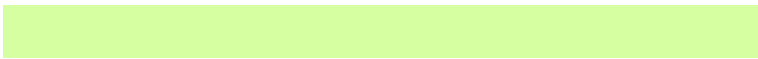
The Inverse Universe completely reimagines the original color for something new.



60.7774, 49.4680, 41.9436



56.3440, 42.9695, 33.1643



69.5476, 88.1950, 47.0780



18.0407, 17.9996, 18.8314



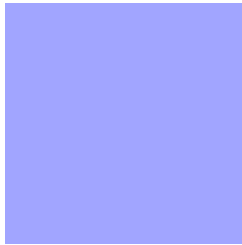
21.5934, 11.1266, 1.2432



2.1130, 1.0876, 0.1764

Previews

White Background



This preview shows how the XYZ color 46.2031, 41.7073, 100.2229 looks on a white background.

Color Contrast Check

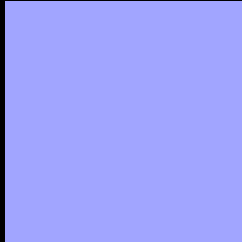
Large Text (above 18pt) WCAG AA × Fail

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 46.2031, 41.7073, 100.2229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

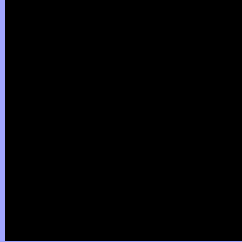
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2031, 41.7073, 100.2229

Background



This preview shows how black text looks on a background with the XYZ color 46.2031, 41.7073, 100.2229.



This preview shows how white text looks on a background with the XYZ color 46.2031, 41.7073,

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

46.2031, 41.7073, 100.2229

Protanopia

43.9263, 41.8987, 100.3798

Deuteranopia

42.9335, 41.6849, 99.5491



Tritanopia

37.2889, 41.7576, 55.9639

Trichromacy



Original Color

46.2031, 41.7073, 100.2229

Protanomaly

44.6303, 41.7093, 100.3062

Deuteranomaly

43.9314, 41.6427, 99.4883

Tritanomaly

39.9718, 41.3727, 70.1690

Monochromacy



Original Color

46.2031, 41.7073, 100.2229

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.7046, 41.8726, 62.3841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2031, 41.7073, 100.2229 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, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 165, 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, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 165, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.2031, 41.7073, 100.2229 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, 165, 255) }
```


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

```
.border{ border-color:rgb(161, 165, 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, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 165,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2031, 41.7073, 100.2229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 165, 255) }
```

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

```
.background{ background-color: rgb(161,  
165, 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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