

Converting Colors

XYZ(46.5381, 41.7134,
100.2064)

Have a look what the booklet for
XYZ(46.5381, 41.7134, 100.2064)
contains.

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Color

**XYZ(46.4297, 41.5574,
100.1820)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A4FF
RGB	163, 164, 255
RGB Percent	64%, 64%, 100%
CMY	0.3608, 0.3569, 0.0000
CMYK	0.36, 0.36, 0.00, 0.00
HSL	239°, 100%, 82%
HSV	239°, 36%, 100%
XYZ	46.4297, 41.5574, 100.1820
YIQ	174.0750, -29.8070, 28.0890

Conversions

Conversions Part 2

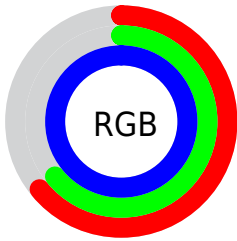
Format	Color
R _Y B	163, 164, 255
Decimal	10724607
CIE Lab	70.56, 20.66, -45.27
CIE LCh	71, 49.765, 294.527
Yxy	41.5574, 0.2467, 0.2209
Android (android.graphics.Color)	4288914687 (0xFFA3A4FF)
YUV	174.0750, 39.8960, -9.7128
Hunter-Lab	64.4650, 15.7474, -47.0142

Details

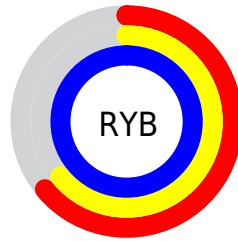
The XYZ color **46.4297, 41.5574, 100.1820** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.2934, 94.7889, 48.5583**, and the grayscale version is **40.0843, 42.1718, 45.9251**.

A 20% lighter version of the original color is **72.8967, 73.0987, 104.8751**, and **22.0506, 18.7914, 55.8910** is the 20% darker color. If you saturate the color by 10%, you get **37.6501, 30.9826, 98.6036**, and if you desaturate by 10%, it is **57.1597, 54.4680, 102.1085**.

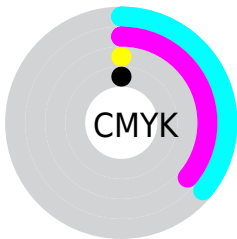
Distribution



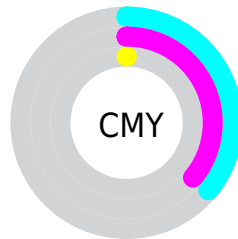
- Red (64%)
- Green (64%)
- Blue (100%)



- Red (64%)
- Yellow (64%)
- Blue (100%)



- Cyan (36%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4297, 41.5574, 100.1820 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 46.4297, 41.5574, 100.1820 by changing the saturation by 10% instead.

■ 46.4297, 41.5574,
100.1820

■ 46.4297, 41.5574,
100.1820

363.2205,
352.6449, 582.0277

■ 32.7911, 28.7549,
75.8348

■ 84.0857, 77.5293,
163.4613

■ 22.1249, 18.8955,
55.7912

■ 108.8337,
101.4675, 203.2305

■ 14.0658, 11.5948,
39.6327

138.0156,
129.8864, 248.9775

■ 8.2485, 6.4684,
26.9407

171.9968,
163.1704, 301.1208

■ 4.3075, 3.1319,
17.2966

211.1425,
201.7038, 360.0789

■ 1.8775, 1.2010,
10.2820

255.8181,

■ 0.5637, 0.0625,

245.8711, 426.2704

5.4783

306.3890,
296.0567, 500.1138

■ 0.0000, 0.0000,
2.4669

■ 0.0000, 0.0000,
0.8226

■ 46.4297, 41.5574,
100.1820

■ 46.4297, 41.5574,
100.1820

■ 37.6501, 30.9826,
98.6036

■ 57.1597, 54.4680,
102.1085

■ 30.7000, 22.5998,
97.3519

■ 69.9432, 69.8376,
104.4013

■ 25.4515, 16.2567,
96.4042

■ 84.8808, 87.7860,
107.0784

■ 21.7583, 11.7795,
95.7346

■ 95.0500, 100.0000,
108.9000

■ 19.4499, 8.9652,
95.3131

■ 18.3149, 7.5639,
95.1024

■ 18.0800, 7.2801,
95.0600

Harmonies

Analogous

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



38.0107, 41.5574, 106.9147



46.4297, 41.5574, 100.1820



53.8186, 41.5574, 76.9264

Triad

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



46.4297, 41.5574, 100.1820



49.3989, 41.5574, 17.4911



25.7630, 41.5574, 41.0676

Complementary

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



46.4297, 41.5574, 100.1820



83.2934, 94.7889, 48.5583

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.



27.9755, 41.5574, 23.7368



46.4297, 41.5574, 100.1820



41.0258, 41.5574, 13.4929

Square

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



46.4297, 41.5574, 100.1820



55.6926, 41.5574, 28.9403



33.2949, 41.5574, 15.2988



26.7948, 41.5574, 66.7590

Rectangle

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



46.4297, 41.5574, 100.1820



56.7724, 41.5574, 58.4306



33.2949, 41.5574, 15.2988



26.1414, 41.5574, 34.2157

Sweetspot

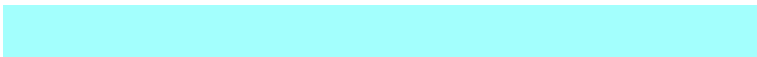
The Sweet Spot groups the original color and five complimentary colors.



46.4311, 41.5589, 100.1822



77.2515, 78.6203, 105.7114



68.6692, 86.4286, 106.3820



16.1055, 16.3118, 22.5496



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.



46.4311, 41.5589, 100.1822



40.1512, 33.9964, 99.0535



57.0112, 46.7489, 100.6264



17.0189, 17.4093, 22.7133



9.4540, 3.8177, 49.6732



0.9258, 0.3823, 4.8383

Inverse Universe

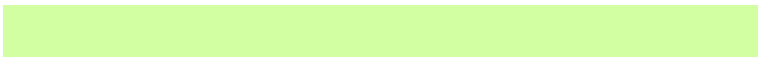
The Inverse Universe completely reimagines the original color for something new.



61.0390, 50.1363, 41.5835



56.6494, 43.7101, 32.8662



69.1023, 87.9448, 47.9852



18.0174, 17.9903, 18.7089



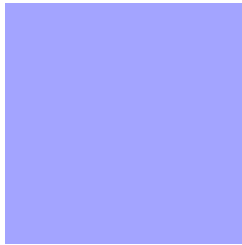
21.5602, 11.1134, 1.0684



2.1019, 1.0831, 0.1182

Previews

White Background



This preview shows how the XYZ color 46.4297, 41.5574, 100.1820 looks on a white background.

Color Contrast Check

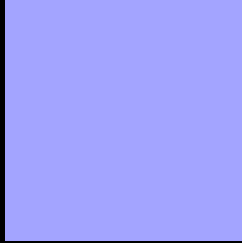
Large Text (above 18pt) WCAG AA × Fail

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 46.4297, 41.5574, 100.1820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

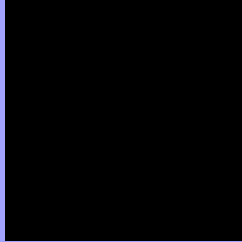
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4297, 41.5574, 100.1820

Background



This preview shows how black text looks on a background with the XYZ color 46.4297, 41.5574, 100.1820.



This preview shows how white text looks on a background with the XYZ color 46.4297, 41.5574,

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

46.4297, 41.5574, 100.1820

Protanopia

43.7524, 41.8091, 100.3717

Deuteranopia

42.7738, 41.6209, 98.7077



Tritanopia

37.3389, 41.5018, 55.3329

Trichromacy



Original Color

46.4297, 41.5574, 100.1820

Protanomaly

44.6303, 41.7093, 100.3062

Deuteranomaly

43.9246, 41.3641, 99.4349

Tritanomaly

40.0270, 41.1324, 69.4480

Monochromacy



Original Color

46.4297, 41.5574, 100.1820

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.7318, 41.6073, 62.3314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4297, 41.5574, 100.1820 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(163, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 164, 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(163, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 164, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.4297, 41.5574, 100.1820 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(163, 164, 255) }
```


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

```
.border{ border-color:rgb(163, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 164,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4297, 41.5574, 100.1820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 164, 255) }
```

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

```
.background{ background-color: rgb(163,  
164, 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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