

Converting Colors

XYZ(46.9553, 42.1875,
100.9543)

Have a look what the booklet for
XYZ(46.9553, 42.1875, 100.9543)
contains.

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Color

**XYZ(46.8150, 42.0228,
100.2515)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A5FF
RGB	164, 165, 255
RGB Percent	64%, 65%, 100%
CMY	0.3568, 0.3529, 0.0000
CMYK	0.36, 0.35, 0.00, 0.00
HSL	239°, 100%, 82%
HSV	239°, 36%, 100%
XYZ	46.8150, 42.0228, 100.2515
YIQ	174.9610, -29.4860, 27.7780

Conversions

Conversions Part 2

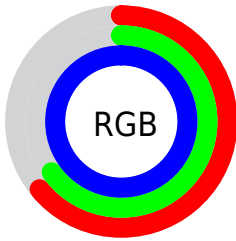
Format	Color
RYB	164, 165, 255
Decimal	10790399
CIELab	70.89, 20.36, -44.76
CIELCh	71, 49.176, 294.454
Yxy	42.0228, 0.2476, 0.2222
Android (android.graphics.Color)	4288980479 (0xFFA4A5FF)
YUV	174.9610, 39.4592, -9.6128
Hunter-Lab	64.8250, 15.4645, -46.3142

Details

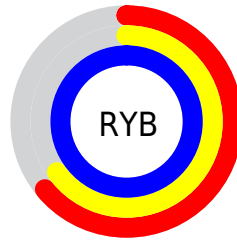
The XYZ color **46.8150, 42.0228, 100.2515** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.3834, 94.8248, 49.0322**, and the grayscale version is **40.5420, 42.6533, 46.4494**.

A 20% lighter version of the original color is **73.4620, 73.7786, 104.9766**, and **22.4048, 19.1387, 55.9394** is the 20% darker color. If you saturate the color by 10%, you get **37.9612, 31.3592, 98.6599**, and if you desaturate by 10%, it is **57.6234, 55.0270, 102.1919**.

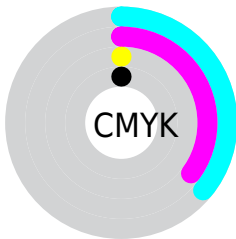
Distribution



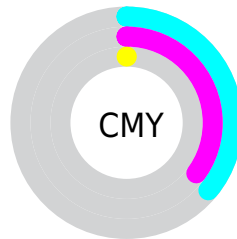
- Red (64%)
- Green (65%)
- Blue (100%)



- Red (64%)
- Yellow (65%)
- Blue (100%)



- Cyan (36%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8150, 42.0228, 100.2515 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 46.8150, 42.0228, 100.2515 by changing the saturation by 10% instead.

■ 46.8150, 42.0228,
100.2515

■ 46.8150, 42.0228,
100.2515

364.7369,
354.5774, 582.2523

■ 33.0968, 29.1191,
75.8925

■ 84.6578, 78.2341,
163.5576

■ 22.3602, 19.1710,
55.8383

■ 109.5131,
102.3106, 203.3419

■ 14.2399, 11.7939,
39.6701

138.8115,
130.8801, 249.1050

■ 8.3705, 6.6035,
26.9696

172.9183,
164.3271, 301.2655

■ 4.3867, 3.2154,
17.3182

212.1989,
203.0359, 360.2420

■ 1.9232, 1.2452,
10.2972

257.0186,

■ 0.5902, 0.0982,

247.3910, 426.4529

5.4883

307.7428,
297.7767, 500.3168

■ 0.0000, 0.0000,
2.4728

■ 0.0000, 0.0000,
0.8257

■ 46.8150, 42.0228,
100.2515

■ 46.8150, 42.0228,
100.2515

■ 37.9612, 31.3592,
98.6599

■ 57.6234, 55.0270,
102.1919

■ 30.9416, 22.8930,
97.3957

■ 70.4890, 70.4946,
104.4994

■ 25.6287, 16.4725,
96.4365

■ 85.5123, 88.5450,
107.1917

■ 21.8772, 11.9249,
95.7564

95.0500, 100.0000,
108.9000

■ 19.5176, 9.0489,
95.3257

■ 18.3409, 7.5968,
95.1074

■ 18.0804, 7.2808,
95.0601

Harmonies

Analogous

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



38.4400, 42.0228, 106.8544



46.8150, 42.0228, 100.2515



54.1595, 42.0228, 77.2690

Triad

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



46.8150, 42.0228, 100.2515



49.8043, 42.0228, 18.0132



26.2388, 42.0228, 41.5375

Complementary

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



46.8150, 42.0228, 100.2515



83.3834, 94.8248, 49.0322

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.



28.4587, 42.0228, 24.2409



46.8150, 42.0228, 100.2515



41.4814, 42.0228, 13.9641

Square

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



46.8150, 42.0228, 100.2515



56.0438, 42.0228, 29.5225



33.7759, 42.0228, 15.7738



27.2628, 42.0228, 67.0584

Rectangle

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



46.8150, 42.0228, 100.2515



57.0979, 42.0228, 58.9261



33.7759, 42.0228, 15.7738



26.6200, 42.0228, 34.7103

Sweetspot

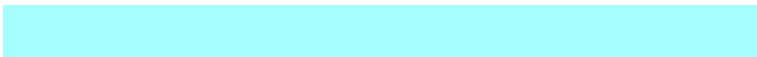
The Sweet Spot groups the original color and five complimentary colors.



46.8164, 42.0243, 100.2518



77.2525, 78.6221, 105.7117



68.8774, 86.5357, 106.4056



16.1057, 16.3123, 22.5497



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.



46.8164, 42.0243, 100.2518



40.1533, 34.0005, 99.0542



57.3345, 47.1802, 100.6926



17.0190, 17.4097, 22.7134



9.4543, 3.8182, 49.6733



0.9259, 0.3825, 4.8383

Inverse Universe

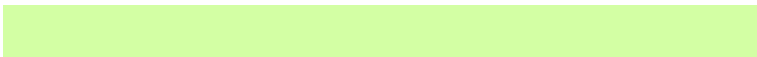
The Inverse Universe completely reimagines the original color for something new.



61.3080, 50.5291, 42.1206



56.6505, 43.7105, 32.8717



69.3305, 88.0521, 48.4656



18.0175, 17.9903, 18.7093



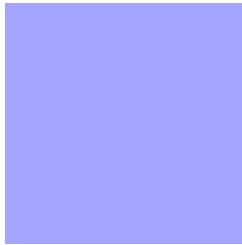
21.5603, 11.1134, 1.0690



2.1020, 1.0832, 0.1184

Previews

White Background



This preview shows how the XYZ color 46.8150, 42.0228, 100.2515 looks on a white background.

Color Contrast Check

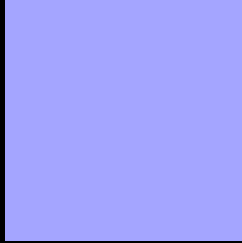
Large Text (above 18pt) WCAG AA × Fail

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 46.8150, 42.0228, 100.2515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

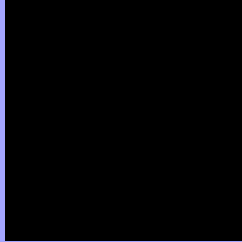
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8150, 42.0228, 100.2515

Background



This preview shows how black text looks on a background with the XYZ color 46.8150, 42.0228, 100.2515.



This preview shows how white text looks on a background with the XYZ color 46.8150, 42.0228,

100.2515.

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

46.8150, 42.0228, 100.2515

Protanopia

44.1018, 41.9892, 100.3881

Deuteranopia

43.2974, 42.1723, 98.7866



Tritanopia

38.0125, 42.1306, 55.9977

Trichromacy



Original Color

46.8150, 42.0228, 100.2515

Protanomaly

45.0015, 41.9007, 100.3235

Deuteranomaly

44.4718, 41.9213, 99.5136

Tritanomaly

40.7269, 41.7620, 70.2043

Monochromacy



Original Color

46.8150, 42.0228, 100.2515

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.2566, 42.1434, 63.0341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8150, 42.0228, 100.2515 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(164, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 165, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.8150, 42.0228, 100.2515 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(164, 165, 255) }
```


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

```
.border{ border-color:rgb(164, 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(164, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 165,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8150, 42.0228, 100.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 165, 255) }
```

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

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