

Converting Colors

XYZ(46.7512, 42.1507, 98.5883)

Have a look what the booklet for
XYZ(46.7512, 42.1507, 98.5883)
contains.

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Color

**XYZ(46.7018, 42.0014,
98.5741)**

Conversions

Conversions Part 1

Format	Color
Hex	A5A5FD
RGB	165, 165, 253
RGB Percent	65%, 65%, 99%
CMY	0.3529, 0.3529, 0.0078
CMYK	0.35, 0.35, 0.00, 0.01
HSL	240°, 96%, 82%
HSV	240°, 35%, 99%
XYZ	46.7018, 42.0014, 98.5741
YIQ	175.0320, -28.2480, 27.3680

Conversions

Conversions Part 2

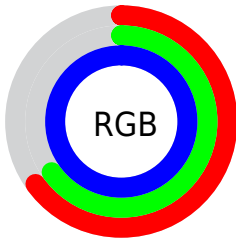
Format	Color
R _{YB}	165, 165, 253
Decimal	10855933
CIE Lab	70.87, 20.10, -43.70
CIE LCh	71, 48.100, 294.703
Yxy	42.0014, 0.2494, 0.2243
Android (android.graphics.Color)	4289046013 (0xFFA5A5FD)
YUV	175.0320, 38.4382, -8.7981
Hunter-Lab	64.8085, 15.2145, -44.8145

Details

The XYZ color **46.7018, 42.0014, 98.5741** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.4253, 93.8504, 49.3694**, and the grayscale version is **40.5832, 42.6967, 46.4967**.

A 20% lighter version of the original color is **73.7674, 73.9360, 104.9909**, and **22.2993, 19.1108, 54.7380** is the 20% darker color. If you saturate the color by 10%, you get **37.8299, 31.3111, 96.9790**, and if you desaturate by 10%, it is **57.5201, 55.0365, 100.5207**.

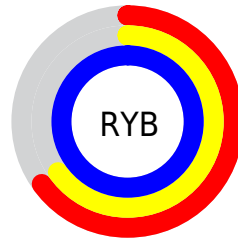
Distribution



Red (65%)

Green (65%)

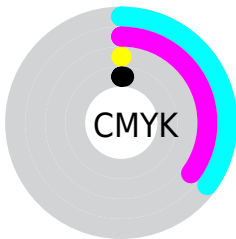
Blue (99%)



Red (65%)

Yellow (65%)

Blue (99%)

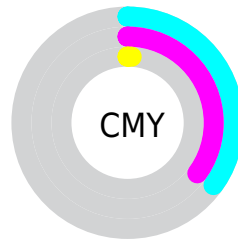


Cyan (35%)

Magenta (35%)

Yellow (0%)

Black (1%)



Cyan (35%)

Magenta (35%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7018, 42.0014, 98.5741 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 46.7018, 42.0014, 98.5741 by changing the saturation by 10% instead.

■ 46.7018, 42.0014,
98.5741

■ 46.7018, 42.0014,
98.5741

364.2918,
354.4887, 576.8189

■ 33.0069, 29.1024,
74.5000

■ 84.4898, 78.2017,
161.2310

■ 22.2910, 19.1583,
54.7041

■ 109.3136,
102.2719, 200.6510

■ 14.1887, 11.7847,
38.7679

138.5778,
130.8345, 246.0232

■ 8.3346, 6.5973,
26.2728

172.6477,
164.2740, 297.7664

■ 4.3634, 3.2115,
16.8002

211.8888,
202.9748, 356.2990

■ 1.9097, 1.2431,
9.9317

256.6662,

■ 0.5825, 0.0965,

247.3212, 422.0396

5.2487

307.3454,
297.6977, 495.4068

■ 0.0000, 0.0000,
2.3326

■ 0.0000, 0.0000,
0.7494

■ 46.7018, 42.0014,
98.5741

■ 46.7018, 42.0014,
98.5741

■ 37.8299, 31.3111,
96.9790

■ 57.5201, 55.0365,
100.5207

■ 30.7848, 22.8222,
95.7118

■ 70.3860, 70.5391,
102.8349

■ 25.4406, 16.3828,
94.7506

■ 85.3990, 88.6289,
105.5353

■ 21.6537, 11.8199,
94.0694

94.7298, 99.8719,
107.2136

■ 19.2571, 8.9322,
93.6384

■ 18.0453, 7.4721,
93.4204

■ 17.7298, 7.0919,
93.3637

Harmonies

Analogous

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



38.5176, 42.0014, 105.1283



46.7018, 42.0014, 98.5741



53.8398, 42.0014, 76.2071

Triad

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



46.7018, 42.0014, 98.5741



49.4865, 42.0014, 18.3740



26.4782, 42.0014, 41.7843

Complementary

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



46.7018, 42.0014, 98.5741



82.4253, 93.8504, 49.3694

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.



28.6352, 42.0014, 24.7059



46.7018, 42.0014, 98.5741



41.3582, 42.0014, 14.3942

Square

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



46.7018, 42.0014, 98.5741



55.5921, 42.0014, 29.6798



33.8307, 42.0014, 16.2471



27.5122, 42.0014, 66.7275

Rectangle

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



46.7018, 42.0014, 98.5741



56.6751, 42.0014, 58.3690



33.8307, 42.0014, 16.2471



26.8444, 42.0014, 35.0655

Sweetspot

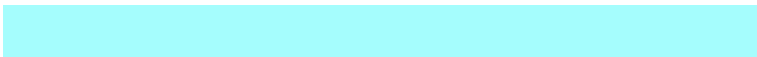
The Sweet Spot groups the original color and five complimentary colors.



46.7033, 42.0030, 98.5751



78.6809, 80.2762, 105.9557



68.3730, 85.3427, 105.7984



16.3873, 16.6358, 22.5973



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.



46.7033, 42.0030, 98.5751



40.8191, 34.6552, 99.1455



57.4804, 47.5588, 99.0795



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

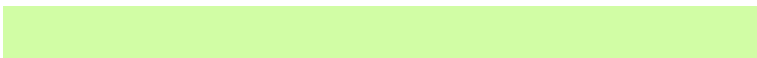
The Inverse Universe completely reimagines the original color for something new.



71.6936, 54.8860, 99.7437



69.8640, 49.6284, 100.5036



68.2124, 86.5234, 48.7042



18.7928, 18.3004, 22.7917



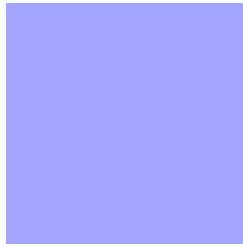
30.9800, 14.8813, 50.6727



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 46.7018, 42.0014, 98.5741 looks on a white background.

Color Contrast Check

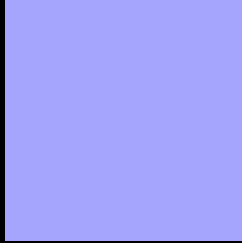
Large Text (above 18pt) WCAG AA × Fail

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 46.7018, 42.0014, 98.5741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

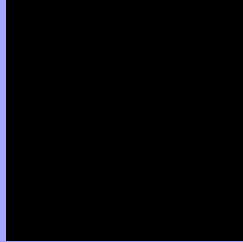
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7018, 42.0014, 98.5741

Background



This preview shows how black text looks on a background with the XYZ color 46.7018, 42.0014, 98.5741.



This preview shows how white text looks on a background with the XYZ color 46.7018, 42.0014,

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

46.7018, 42.0014, 98.5741

Protanopia

44.1018, 41.9892, 100.3881

Deuteranopia

43.3077, 42.1960, 97.9575



Tritanopia

37.9991, 41.8294, 55.9403

Trichromacy



Original Color

46.7018, 42.0014, 98.5741

Protanomaly

44.8409, 41.8364, 99.4778

Deuteranomaly

44.3363, 41.8882, 97.8439

Tritanomaly

40.7915, 41.8101, 69.5385

Monochromacy



Original Color

46.7018, 42.0014, 98.5741

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.1370, 42.0955, 62.4043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7018, 42.0014, 98.5741 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(165, 165, 253)` looks like.

```
.text, #text, p{  
    color:rgb(165, 165, 253)  
}
```

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(165, 165, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 165, 253) }
```

Border

The CSS property to change the border of an element to XYZ 46.7018, 42.0014, 98.5741 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(165, 165, 253) }
```


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

```
.border{ border-color:rgb(165, 165, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 165, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 165, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 165, 253);  
box-shadow:4px 4px 4px 4px rgb(165, 165,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7018, 42.0014, 98.5741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 165, 253) }
```

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

```
.background{ background-color: rgb(165,  
165, 253) }
```

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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