

Converting Colors

XYZ(50.9341, 46.7039, 99.5902)

Have a look what the booklet for
XYZ(50.9341, 46.7039, 99.5902)
contains.

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Color

**XYZ(50.7702, 46.5941,
99.2462)**

Conversions

Conversions Part 1

Format	Color
Hex	B0AEFD
RGB	176, 174, 253
RGB Percent	69%, 68%, 99%
CMY	0.3098, 0.3176, 0.0078
CMYK	0.30, 0.31, 0.00, 0.01
HSL	242°, 95%, 84%
HSV	242°, 31%, 99%
XYZ	50.7702, 46.5941, 99.2462
YIQ	183.6040, -24.1670, 24.9930

Conversions

Conversions Part 2

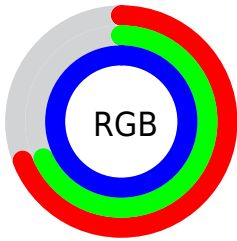
Format	Color
R _Y B	176, 174, 253
Decimal	11579133
CIE Lab	73.93, 18.06, -38.87
CIE LCh	74, 42.858, 294.926
Yxy	46.5941, 0.2582, 0.2370
Android (android.graphics.Color)	4289769213 (0xFFB0AEFD)
YUV	183.6040, 34.2122, -6.6687
Hunter-Lab	68.2599, 13.3096, -38.4226

Details

The XYZ color **50.7702, 46.5941, 99.2462** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.5499, 93.8167, 53.8038**, and the grayscale version is **45.1701, 47.5225, 51.7520**.

A 20% lighter version of the original color is **79.6736, 80.5823, 105.9624**, and **24.8085, 21.9695, 55.1575** is the 20% darker color. If you saturate the color by 10%, you get **41.2568, 35.1054, 97.5309**, and if you desaturate by 10%, it is **62.2201, 60.4495, 101.3179**.

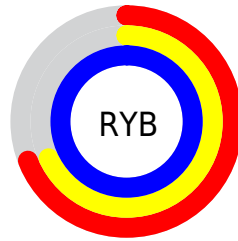
Distribution



Red (69%)

Green (68%)

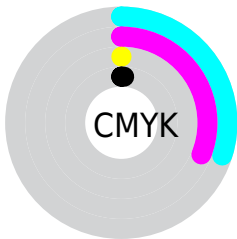
Blue (99%)



Red (69%)

Yellow (68%)

Blue (99%)

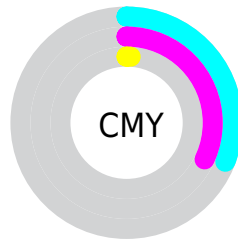


Cyan (30%)

Magenta (31%)

Yellow (0%)

Black (1%)



Cyan (31%)

Magenta (32%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7702, 46.5941, 99.2462 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 50.7702, 46.5941, 99.2462 by changing the saturation by 10% instead.

■ 50.7702, 46.5941,
99.2462

■ 50.7702, 46.5941,
99.2462

380.0727,
373.1920, 578.9992

■ 36.2461, 32.7149,
75.0578

■ 90.5000, 85.1074,
162.1637

■ 24.7953, 21.9081,
55.1582

116.4364,
110.5103, 201.7299

■ 16.0525, 13.7894,
39.1290

146.9076,
140.5233, 247.2591

■ 9.6524, 7.9743,
26.5515

182.2789,
175.5306, 299.1699

■ 5.2296, 4.0785,
17.0072

222.9157,
215.9167, 357.8807

■ 2.4187, 1.7176,
10.0776

269.1834,

■ 0.8545, 0.4350,

262.0661, 423.8102

5.3442

321.4472,
314.3631, 497.3769

■ 0.0000, 0.0000,
2.3883

■ 0.0000, 0.0000,
0.7801

■ 50.7702, 46.5941,
99.2462

■ 50.7702, 46.5941,
99.2462

■ 41.2568, 35.1054,
97.5309

■ 62.2201, 60.4495,
101.3179

■ 33.5683, 25.8459,
96.1489

■ 75.7000, 76.7878,
103.7610

■ 27.5894, 18.6728,
95.0794

■ 91.3035, 95.7241,
106.5937

■ 23.1895, 13.4242,
94.2982

94.7298, 99.8719,
107.2138

■ 20.2193, 9.9143,
93.7773

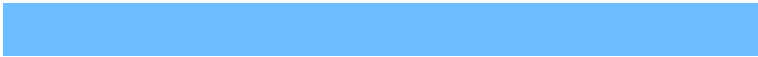
■ 18.5007, 7.9210,
93.4832

■ 17.8100, 7.1332,
93.3675

Harmonies

Analogous

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



42.9999, 46.5941, 105.2345



50.7702, 46.5941, 99.2462



57.4291, 46.5941, 78.9506

Triad

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



50.7702, 46.5941, 99.2462



53.2750, 46.5941, 23.5041



31.2066, 46.5941, 47.1027

Complementary

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



50.7702, 46.5941, 99.2462



82.5499, 93.8167, 53.8038

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.



33.3192, 46.5941, 30.1950



50.7702, 46.5941, 99.2462



45.5981, 46.5941, 19.3069

Square

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



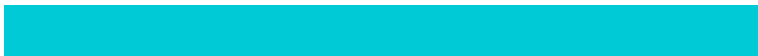
50.7702, 46.5941, 99.2462



58.9878, 46.5941, 34.9880



38.3794, 46.5941, 21.3461



32.2561, 46.5941, 70.6091

Rectangle

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



50.7702, 46.5941, 99.2462



60.0386, 46.5941, 62.4791



38.3794, 46.5941, 21.3461



31.5626, 46.5941, 40.5600

Sweetspot

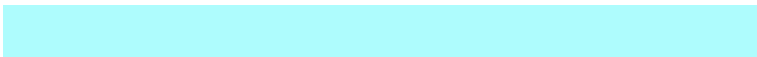
The Sweet Spot groups the original color and five complimentary colors.



50.7718, 46.5959, 99.2473



80.4046, 82.2230, 106.2406



69.8975, 85.5137, 105.7512



16.7390, 17.0279, 22.6544



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.



50.7718, 46.5959, 99.2473



45.8460, 40.3782, 99.9852



60.8377, 51.7851, 99.7184



17.0455, 17.3997, 22.7100



9.4921, 3.8039, 49.6685



0.9385, 0.3777, 4.8367

Inverse Universe

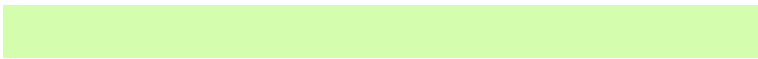
The Inverse Universe completely reimagines the original color for something new.



73.0579, 58.1214, 98.6356



71.5915, 53.6947, 99.1950



69.9709, 87.3320, 53.2151



18.7716, 18.2920, 22.6806



30.4552, 14.6714, 47.9089



2.9714, 1.4309, 4.6966

Previews

White Background



This preview shows how the XYZ color 50.7702, 46.5941, 99.2462 looks on a white background.

Color Contrast Check

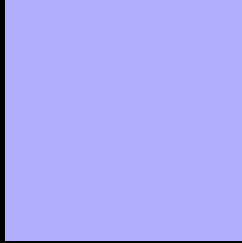
Large Text (above 18pt) WCAG AA × Fail

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 50.7702, 46.5941, 99.2462 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 50.7702, 46.5941, 99.2462

Background



This preview shows how black text looks on a background with the XYZ color 50.7702, 46.5941, 99.2462.

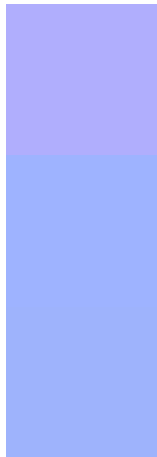


This preview shows how white text looks on a background with the XYZ color 50.7702, 46.5941,

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

50.7702, 46.5941, 99.2462

Protanopia

48.2707, 46.7293, 101.0833

Deuteranopia

47.7913, 46.5376, 98.5592



Tritanopia

43.1748, 46.8208, 60.7946

Trichromacy



Original Color

50.7702, 46.5941, 99.2462

Protanomaly

49.1286, 46.5994, 100.1712

Deuteranomaly

48.8099, 46.4719, 98.4929

Tritanomaly

45.6722, 46.5972, 73.6048

Monochromacy



Original Color

50.7702, 46.5941, 99.2462

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.8859, 47.0697, 66.9358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7702, 46.5941, 99.2462 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(176, 174, 253)` looks like.

```
.text, #text, p{  
    color:rgb(176, 174, 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(176, 174, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 174, 253) }
```

Border

The CSS property to change the border of an element to XYZ 50.7702, 46.5941, 99.2462 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(176, 174, 253) }
```


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

```
.border{ border-color:rgb(176, 174, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 174, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 174, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 174, 253);  
box-shadow:4px 4px 4px 4px rgb(176, 174,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7702, 46.5941, 99.2462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 174, 253) }
```

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

```
.background{ background-color: rgb(176,  
174, 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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