

Converting Colors

XYZ(49.5752, 46.6107, 96.8264)

Have a look what the booklet for
XYZ(49.5752, 46.6107, 96.8264)
contains.

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Color

**XYZ(49.5752, 46.6107,
96.8264)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB0FA
RGB	171, 176, 250
RGB Percent	67%, 69%, 98%
CMY	0.3294, 0.3098, 0.0196
CMYK	0.32, 0.30, 0.00, 0.02
HSL	236°, 89%, 83%
HSV	236°, 32%, 98%
XYZ	49.5752, 46.6107, 96.8264
YIQ	182.9410, -26.7340, 21.9540

Conversions

Conversions Part 2

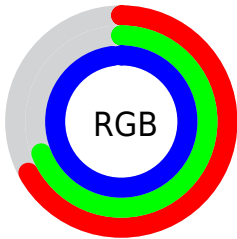
Format	Color
RYB	171, 176, 250
Decimal	11251962
CIELab	73.94, 14.81, -37.26
CIElCh	74, 40.093, 291.675
Yxy	46.6107, 0.2568, 0.2415
Android (android.graphics.Color)	4289442042 (0xFFABB0FA)
YUV	182.9410, 33.0601, -10.4723
Hunter-Lab	68.2720, 10.1403, -36.2973

Details

The XYZ color **49.5752, 46.6107, 96.8264** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **79.4284, 88.5700, 51.4391**, and the grayscale version is **44.8138, 47.1476, 51.3437**.

A 20% lighter version of the original color is **78.6208, 80.8658, 106.0726**, and **24.0357, 21.9786, 53.4275** is the 20% darker color. If you saturate the color by 10%, you get **40.4337, 35.6605, 95.1954**, and if you desaturate by 10%, it is **60.5418, 59.6794, 98.7717**.

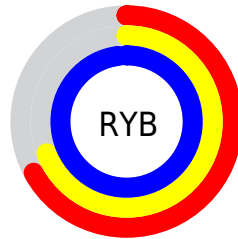
Distribution



Red (67%)

Green (69%)

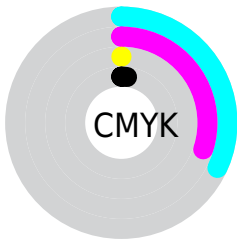
Blue (98%)



Red (67%)

Yellow (69%)

Blue (98%)

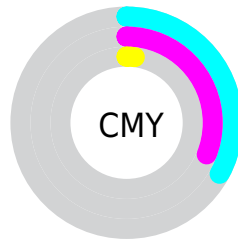


Cyan (32%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (33%)

Magenta (31%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5752, 46.6107, 96.8264 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 49.5752, 46.6107, 96.8264 by changing the saturation by 10% instead.

■ 49.5752, 46.6107,
96.8264

■ 49.5752, 46.6107,
96.8264

375.4819,
373.2585, 571.1286

■ 35.2924, 32.7280,
73.0508

■ 88.7407, 85.1322,
158.8027

■ 24.0558, 21.9182,
53.5254

114.3542,
110.5399, 197.8404

■ 15.5000, 13.7968,
37.8318

144.4753,
140.5579, 242.8025

■ 9.2596, 7.9795,
25.5513

179.4693,
175.5708, 294.1076

■ 4.9694, 4.0818,
16.2655

219.7016,
215.9629, 352.1742

■ 2.2639, 1.7194,
9.5559

265.5375,

■ 0.7761, 0.4362,

262.1186, 417.4209

5.0038

317.3425,
314.4223, 490.2662

■ 0.0000, 0.0000,
2.1907

■ 0.0000, 0.0000,
0.6690

■ 49.5752, 46.6107,
96.8264

■ 49.5752, 46.6107,
96.8264

■ 40.4337, 35.6605,
95.1954

■ 60.5418, 59.6794,
98.7717

■ 33.0135, 26.7122,
93.8593

■ 73.4200, 74.9642,
101.0432

■ 27.2080, 19.6458,
92.8014

■ 88.2967, 92.5635,
103.6562

■ 22.8967, 14.3267,
92.0019

■ 94.2555, 99.6822,
104.7161

■ 19.9419, 10.6023,
91.4387

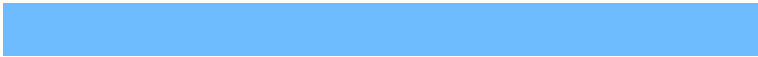
■ 18.1806, 8.2932,
91.0859

■ 17.4382, 7.2676,
90.9270

Harmonies

Analogous

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



42.3416, 46.6107, 100.5159



49.5752, 46.6107, 96.8264



55.9839, 46.6107, 79.2853

Triad

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



49.5752, 46.6107, 96.8264



53.3841, 46.6107, 25.7093



32.0459, 46.6107, 45.2624

Complementary

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



49.5752, 46.6107, 96.8264



79.4284, 88.5700, 51.4391

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.



34.3701, 46.6107, 30.0447



49.5752, 46.6107, 96.8264



46.3221, 46.6107, 20.9155

Square

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



49.5752, 46.6107, 96.8264



58.3423, 46.6107, 37.5560



39.4168, 46.6107, 22.2548



32.7170, 46.6107, 66.7232

Rectangle

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



49.5752, 46.6107, 96.8264



58.6732, 46.6107, 64.1610



39.4168, 46.6107, 22.2548



32.4930, 46.6107, 39.3534

Sweetspot

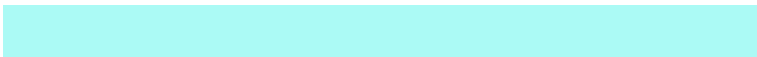
The Sweet Spot groups the original color and five complimentary colors.



49.5768, 46.6125, 96.8275



80.6263, 82.9470, 106.3686



67.4222, 83.6065, 98.7580



16.7931, 17.2043, 22.6856



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.



49.5768, 46.6125, 96.8275



45.4875, 41.1337, 100.1499



57.0609, 49.0420, 96.9020



16.3712, 16.8192, 21.7689



9.2836, 3.9227, 48.2414



0.8897, 0.4232, 4.4780

Inverse Universe

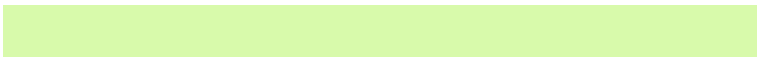
The Inverse Universe completely reimagines the original color for something new.



61.8251, 52.5860, 47.9676



60.2058, 48.4366, 41.4085



69.7876, 85.8760, 51.4273



17.2892, 17.2430, 18.1125



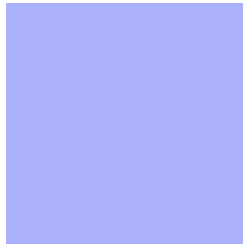
20.9779, 10.8069, 1.3263



1.9580, 1.0069, 0.2024

Previews

White Background



This preview shows how the XYZ color 49.5752, 46.6107, 96.8264 looks on a white background.

Color Contrast Check

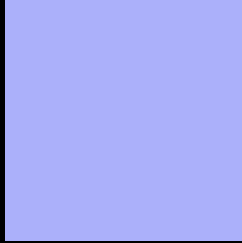
Large Text (above 18pt) WCAG AA × Fail

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 49.5752, 46.6107, 96.8264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

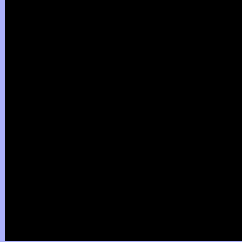
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5752, 46.6107, 96.8264

Background



This preview shows how black text looks on a background with the XYZ color 49.5752, 46.6107, 96.8264.



This preview shows how white text looks on a background with the XYZ color 49.5752, 46.6107,

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

49.5752, 46.6107, 96.8264

Protanopia

47.9889, 46.6394, 98.5685

Deuteranopia

47.7162, 46.5533, 96.0933



Tritanopia

42.4814, 46.7615, 61.4304

Trichromacy



Original Color

49.5752, 46.6107, 96.8264

Protanomaly

48.4372, 46.5924, 97.7071

Deuteranomaly

48.3291, 46.5729, 96.0648

Tritanomaly

44.6927, 46.4104, 72.9322

Monochromacy



Original Color

49.5752, 46.6107, 96.8264

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.1741, 46.7312, 65.6179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5752, 46.6107, 96.8264 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(171, 176, 250)` looks like.

```
.text, #text, p{  
    color:rgb(171, 176, 250)  
}
```

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(171, 176, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 176, 250) }
```

Border

The CSS property to change the border of an element to XYZ 49.5752, 46.6107, 96.8264 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(171, 176, 250) }
```


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

```
.border{ border-color:rgb(171, 176, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 176, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 176, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 176, 250);  
box-shadow:4px 4px 4px 4px rgb(171, 176,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5752, 46.6107, 96.8264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 176, 250) }
```

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

```
.background{ background-color: rgb(171,  
176, 250) }
```

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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