

Converting Colors

XYZ(49.8505, 50.5776, 83.0115)

Have a look what the booklet for
XYZ(49.8505, 50.5776, 83.0115)
contains.

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Color

**XYZ(49.8626, 50.7346,
82.7660)**

Conversions

Conversions Part 1

Format	Color
Hex	AEBCE7
RGB	174, 188, 231
RGB Percent	68%, 74%, 91%
CMY	0.3176, 0.2627, 0.0941
CMYK	0.25, 0.19, 0.00, 0.09
HSL	225°, 54%, 79%
HSV	225°, 25%, 91%
XYZ	49.8626, 50.7346, 82.7660
YIQ	188.7160, -22.1470, 10.4050

Conversions

Conversions Part 2

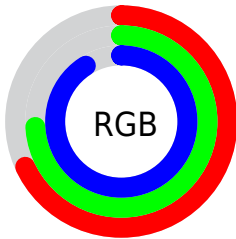
Format	Color
RYB	174, 185, 231
Decimal	11451623
CIELab	76.52, 4.47, -23.01
CIELCh	77, 23.444, 280.999
Yxy	50.7346, 0.2719, 0.2767
Android (android.graphics.Color)	4289641703 (0xFFAEBCE7)
YUV	188.7160, 20.8460, -12.9059
Hunter-Lab	71.2282, 0.3077, -19.0342

Details

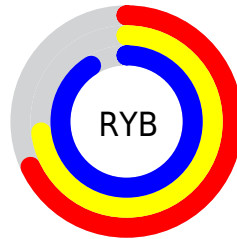
The XYZ color **49.8626, 50.7346, 82.7660** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.4086, 69.6711, 50.0464**, and the grayscale version is **48.1027, 50.6078, 55.1119**.

A 20% lighter version of the original color is **83.0338, 88.7444, 107.3608**, and **24.2870, 24.4880, 44.0040** is the 20% darker color. If you saturate the color by 10%, you get **41.6517, 41.3062, 81.3797**, and if you desaturate by 10%, it is **59.4112, 61.5223, 84.3458**.

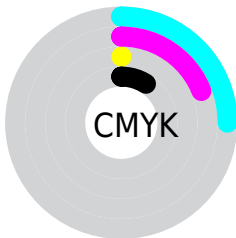
Distribution



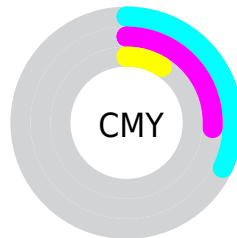
- Red (68%)
- Green (74%)
- Blue (91%)



- Red (68%)
- Yellow (73%)
- Blue (91%)



- Cyan (25%)
- Magenta (19%)
- Yellow (0%)
- Black (9%)



- Cyan (32%)
- Magenta (26%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8626, 50.7346, 82.7660 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 49.8626, 50.7346, 82.7660 by changing the saturation by 10% instead.

■ 49.8626, 50.7346,
82.7660

■ 49.8626, 50.7346,
82.7660

376.5893,
389.5318, 524.1569

■ 35.5216, 35.9974,
61.4576

■ 89.1643, 91.2623,
139.0940

■ 24.2333, 24.4322,
44.1617

114.8557,
117.8217, 174.9507

■ 15.6325, 15.6545,
30.4595

145.0613,
149.0906, 216.4939

■ 9.3536, 9.2800,
19.9326

180.1464,
185.4534, 264.1422

■ 5.0315, 4.9243,
12.1625

220.4764,
227.2946, 318.3141

■ 2.3007, 2.2029,
6.7305

266.4166,

■ 0.7950, 0.7216,

274.9984, 379.4282

3.2183

318.3325,
328.9493, 447.9029

■ 0.0000, 0.0000,
1.2071

■ 0.0000, 0.0000,
0.0000

■ 49.8626, 50.7346,
82.7660

■ 49.8626, 50.7346,
82.7660

■ 41.6517, 41.3062,
81.3797

■ 59.4112, 61.5223,
84.3458

■ 34.7125, 33.1757,
80.1761

■ 70.3498, 73.7152,
86.1228

■ 28.9804, 26.2861,
79.1484

■ 82.7339, 87.3643,
88.1046

■ 24.3830, 20.5733,
78.2881

■ 91.4240, 98.5496,
89.8055

■ 20.8397, 15.9672,
77.5857

■ 18.2585, 12.3893,
77.0312

■ 16.5294, 9.7490,
76.6127

■ 15.8744, 8.6704,
76.4390

Harmonies

Analogous

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



45.5054, 50.7346, 81.6195



49.8626, 50.7346, 82.7660



54.0191, 50.7346, 75.7383

Triad

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



49.8626, 50.7346, 82.7660



54.9294, 50.7346, 40.7534



40.6191, 50.7346, 47.6846

Complementary

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



49.8626, 50.7346, 82.7660



65.4086, 69.6711, 50.0464

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.



42.8547, 50.7346, 38.8225



49.8626, 50.7346, 82.7660



51.0440, 50.7346, 35.2638

Square

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



49.8626, 50.7346, 82.7660



57.0612, 50.7346, 50.7234



46.6172, 50.7346, 34.6156



40.3458, 50.7346, 60.0199

Rectangle

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



49.8626, 50.7346, 82.7660



56.0490, 50.7346, 67.9115



46.6172, 50.7346, 34.6156



41.1593, 50.7346, 44.2540

Sweetspot

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



49.8642, 50.7366, 82.7672



84.6389, 88.4779, 107.2247



58.5245, 71.1483, 76.1248



17.9330, 18.7343, 22.9209



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.



49.8642, 50.7366, 82.7672



56.5575, 56.8091, 102.5921



50.3619, 46.7663, 81.9746



13.8690, 14.4593, 18.2043



8.9811, 5.0244, 42.8796



0.7355, 0.5149, 3.1926

Inverse Universe

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



57.1695, 50.8934, 54.3893



67.3715, 57.3447, 60.5161



64.7580, 74.9222, 51.0943



14.5214, 14.4258, 15.6803



18.9268, 9.7049, 3.2434



1.4349, 0.7317, 0.4306

Previews

White Background



This preview shows how the XYZ color 49.8626, 50.7346, 82.7660 looks on a white background.

Color Contrast Check

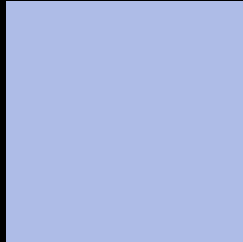
Large Text (above 18pt) WCAG AA × Fail

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 49.8626, 50.7346, 82.7660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

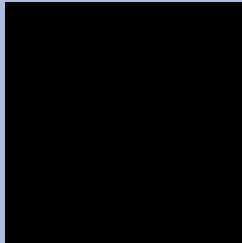
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8626, 50.7346, 82.7660

Background



This preview shows how black text looks on a background with the XYZ color 49.8626, 50.7346, 82.7660.



This preview shows how white text looks on a background with the XYZ color 49.8626, 50.7346,

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

49.8626, 50.7346, 82.7660

Protanopia

50.6437, 50.8375, 82.0063

Deuteranopia

51.9220, 50.8384, 83.4201



Tritanopia

46.4743, 50.6393, 66.3564

Trichromacy



Original Color

49.8626, 50.7346, 82.7660

Protanomaly

50.1847, 50.6009, 81.9848

Deuteranomaly

51.1804, 50.7678, 83.4456

Tritanomaly

47.8201, 50.8774, 72.2657

Monochromacy



Original Color

49.8626, 50.7346, 82.7660

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.8638, 50.9452, 64.3847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8626, 50.7346, 82.7660 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(174, 188, 231)` looks like.

```
.text, #text, p{  
    color:rgb(174, 188, 231)  
}
```

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(174, 188, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 188, 231) }
```

Border

The CSS property to change the border of an element to XYZ 49.8626, 50.7346, 82.7660 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(174, 188, 231) }
```


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

```
.border{ border-color:rgb(174, 188, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 188, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 188, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 188, 231);  
box-shadow:4px 4px 4px 4px rgb(174, 188,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8626, 50.7346, 82.7660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 188, 231) }
```

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

```
.background{ background-color: rgb(174,  
188, 231) }
```

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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