

Converting Colors

XYZ(49.5218, 49.9756, 83.4021)

Have a look what the booklet for
XYZ(49.5218, 49.9756, 83.4021)
contains.

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Color

**XYZ(49.5800, 49.9427,
83.3707)**

Conversions

Conversions Part 1

Format	Color
Hex	AEBAE8
RGB	174, 186, 232
RGB Percent	68%, 73%, 91%
CMY	0.3176, 0.2706, 0.0902
CMYK	0.25, 0.20, 0.00, 0.09
HSL	228°, 56%, 80%
HSV	228°, 25%, 91%
XYZ	49.5800, 49.9427, 83.3707
YIQ	187.6560, -21.9180, 11.7620

Conversions

Conversions Part 2

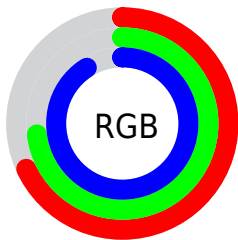
Format	Color
R_{YB}	174, 184, 232
Decimal	11451112
CIE Lab	76.03, 5.80, -24.29
CIE LCh	76, 24.973, 283.419
Yxy	49.9427, 0.2711, 0.2731
Android (android.graphics.Color)	4289641192 (0xFFAEBAE8)
YUV	187.6560, 21.8616, -11.9763
Hunter-Lab	70.6701, 1.5573, -20.4763

Details

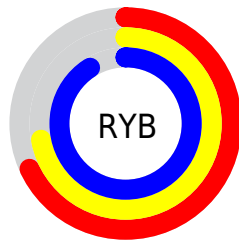
The XYZ color **49.5800, 49.9427, 83.3707** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.5126, 71.3987, 50.3217**, and the grayscale version is **47.4952, 49.9686, 54.4158**.

A 20% lighter version of the original color is **82.4353, 87.5473, 107.1612**, and **23.9697, 23.9027, 44.4246** is the 20% darker color. If you saturate the color by 10%, you get **41.2213, 40.2461, 81.9405**, and if you desaturate by 10%, it is **59.3337, 61.1018, 85.0114**.

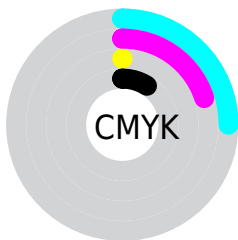
Distribution



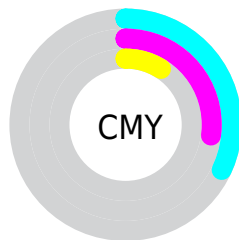
- Red (68%)
- Green (73%)
- Blue (91%)



- Red (68%)
- Yellow (72%)
- Blue (91%)



- Cyan (25%)
- Magenta (20%)
- Yellow (0%)
- Black (9%)



- Cyan (32%)
- Magenta (27%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5800, 49.9427, 83.3707 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 49.5800, 49.9427, 83.3707 by changing the saturation by 10% instead.

■ 49.5800, 49.9427,
83.3707

■ 49.5800, 49.9427,
83.3707

375.5004,
386.4418, 526.2245

■ 35.2962, 35.3679,
61.9536

■ 88.7478, 90.0900,
139.9484

■ 24.0587, 23.9464,
44.5597

114.3626,
116.4312, 175.9461

■ 15.5022, 15.2939,
30.7703

144.4850,
147.4634, 217.6411

■ 9.2612, 9.0259,
20.1670

179.4806,
183.5708, 265.4520

■ 4.9704, 4.7581,
12.3312

219.7145,
225.1380, 319.7972

■ 2.2645, 2.1060,
6.8444

265.5522,

■ 0.7764, 0.6680,

272.5493, 381.0953

3.2880

317.3591,
326.1891, 449.7649

■ 0.0000, 0.0000,
1.2435

■ 0.0000, 0.0000,
0.0148

■ 49.5800, 49.9427,
83.3707

■ 49.5800, 49.9427,
83.3707

■ 41.2213, 40.2461,
81.9405

■ 59.3337, 61.1018,
85.0114

■ 34.1879, 31.9444,
80.7088

■ 70.5381, 73.7751,
86.8670

■ 28.4116, 24.9737,
79.6677

■ 83.2517, 88.0191,
88.9463

■ 23.8154, 19.2626,
78.8076

■ 91.5657, 98.6063,
90.5517

■ 20.3139, 14.7323,
78.1177

■ 17.8095, 11.2949,
77.5863

■ 16.1851, 8.8483,
77.1996

■ 15.6228, 7.9406,
77.0541

Harmonies

Analogous

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



44.9564, 49.9427, 82.8840



49.5800, 49.9427, 83.3707



53.9012, 49.9427, 75.2407

Triad

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



49.5800, 49.9427, 83.3707



54.2829, 49.9427, 38.5725



39.3850, 49.9427, 47.3764

Complementary

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



49.5800, 49.9427, 83.3707



66.5126, 71.3987, 50.3217

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.



41.5701, 49.9427, 37.7810



49.5800, 49.9427, 83.3707



50.0736, 49.9427, 33.2973

Square

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



49.5800, 49.9427, 83.3707



56.7339, 49.9427, 48.6359



45.4189, 49.9427, 33.0335



39.2721, 49.9427, 60.5575

Rectangle

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



49.5800, 49.9427, 83.3707



55.9461, 49.9427, 66.6956



45.4189, 49.9427, 33.0335



39.8947, 49.9427, 43.6807

Sweetspot

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



49.5816, 49.9447, 83.3718



84.4341, 88.0683, 107.1565



59.1567, 71.8503, 78.0690



17.8857, 18.6397, 22.9051



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.



49.5816, 49.9447, 83.3718



55.8902, 55.4745, 102.3697



51.0465, 47.1029, 82.7461



13.8232, 14.3679, 18.1890



8.7457, 4.5536, 42.8011



0.7121, 0.4682, 3.1848

Inverse Universe

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



57.2791, 50.9746, 53.2767



67.0347, 57.2100, 58.7425



64.6887, 75.3032, 51.1715



14.4984, 14.4165, 15.5588



18.8079, 9.6574, 2.6177



1.4231, 0.7269, 0.3685

Previews

White Background



This preview shows how the XYZ color 49.5800, 49.9427, 83.3707 looks on a white background.

Color Contrast Check

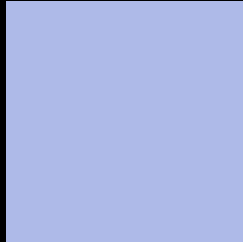
Large Text (above 18pt) WCAG AA × Fail

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 49.5800, 49.9427, 83.3707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

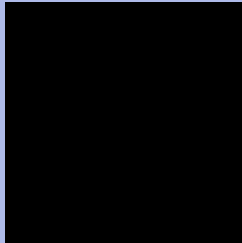
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5800, 49.9427, 83.3707

Background



This preview shows how black text looks on a background with the XYZ color 49.5800, 49.9427, 83.3707.



This preview shows how white text looks on a background with the XYZ color 49.5800, 49.9427,

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

49.5800, 49.9427, 83.3707

Protanopia

49.8189, 49.7542, 83.3217

Deuteranopia

50.9329, 49.6952, 83.9985



Tritanopia

46.1336, 50.1529, 65.6415

Trichromacy



Original Color

49.5800, 49.9427, 83.3707

Protanomaly

49.5936, 49.6381, 83.3112

Deuteranomaly

50.4389, 49.7479, 84.0347

Tritanomaly

47.2579, 49.9594, 71.4424

Monochromacy



Original Color

49.5800, 49.9427, 83.3707

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.1978, 49.9676, 64.2311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5800, 49.9427, 83.3707 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, 186, 232)` looks like.

```
.text, #text, p{  
    color:rgb(174, 186, 232)  
}
```

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, 186, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 186, 232) }
```

Border

The CSS property to change the border of an element to XYZ 49.5800, 49.9427, 83.3707 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, 186, 232) }
```


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

```
.border{ border-color:rgb(174, 186, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 186, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 186, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 186, 232);  
box-shadow:4px 4px 4px 4px rgb(174, 186,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5800, 49.9427, 83.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 186, 232) }
```

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

```
.background{ background-color: rgb(174,  
186, 232) }
```

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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