

Converting Colors

XYZ(49.1261, 39.8565, 81.1701)

Have a look what the booklet for
XYZ(49.1261, 39.8565, 81.1701)
contains.

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Color

**XYZ(49.2913, 39.9182,
81.4510)**

Conversions

Conversions Part 1

Format	Color
Hex	C896E8
RGB	200, 150, 232
RGB Percent	78%, 59%, 91%
CMY	0.2157, 0.4117, 0.0902
CMYK	0.14, 0.35, 0.00, 0.09
HSL	277°, 64%, 75%
HSV	277°, 35%, 91%
XYZ	49.2913, 39.9182, 81.4510
YIQ	174.2980, 3.4780, 36.1020

Conversions

Conversions Part 2

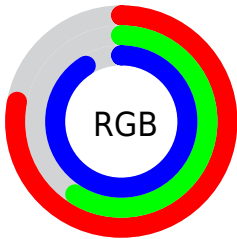
Format	Color
RYB	200, 150, 232
Decimal	13145832
CIELab	69.41, 33.56, -34.29
CIElCh	69, 47.983, 314.379
Yxy	39.9182, 0.2888, 0.2339
Android (android.graphics.Color)	4291335912 (0xFFC896E8)
YUV	174.2980, 28.4471, 22.5407
Hunter-Lab	63.1809, 28.6924, -32.2084

Details

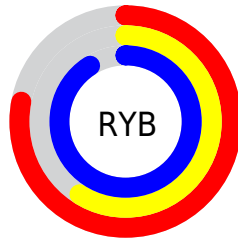
The XYZ color **49.2913, 39.9182, 81.4510** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **53.6541, 69.8612, 39.5125**, and the grayscale version is **40.2435, 42.3392, 46.1074**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **23.8812, 17.8897, 43.2687** is the 20% darker color. If you saturate the color by 10%, you get **43.6027, 32.0241, 80.2277**, and if you desaturate by 10%, it is **55.8587, 49.3551, 82.9270**.

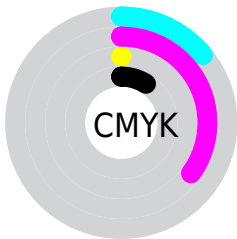
Distribution



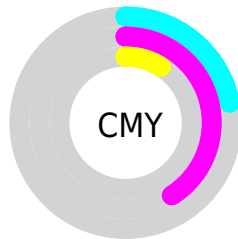
- Red (78%)
- Green (59%)
- Blue (91%)



- Red (78%)
- Yellow (59%)
- Blue (91%)



- Cyan (14%)
- Magenta (35%)
- Yellow (0%)
- Black (9%)





- Cyan (22%)
- Magenta (41%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2913, 39.9182, 81.4510 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 49.2913, 39.9182, 81.4510 by changing the saturation by 10% instead.


 49.2913, 39.9182,
81.4510


 49.2913, 39.9182,
81.4510


374.3859,
345.7787, 519.6446

 35.0661, 27.4748,
60.3799


 88.3221, 75.0389,
137.2336

 23.8806, 17.9301,
43.2976


 113.8583, 98.4850,
172.7822

 15.3693, 10.8998,
29.7856

143.8957,
126.3675, 213.9938

 9.1670, 5.9995,
19.4252

178.7995,
159.0707, 261.2869

 4.9082, 2.8448,
11.7980

218.9350,
196.9790, 315.0799

 2.2277, 1.0512,
6.4854

264.6677,

 0.7573, 0.0000,

240.4768, 375.7915

3.0689

316.3629,
289.9486, 443.8403

■ 0.0000, 0.0000,
1.1299

■ 0.0000, 0.0000,
0.0000

■ 49.2913, 39.9182,
81.4510

■ 49.2913, 39.9182,
81.4510

■ 43.6027, 32.0241,
80.2277

■ 55.8587, 49.3551,
82.9270

■ 38.7428, 25.5796,
79.2400

■ 63.3430, 60.4109,
84.6665

■ 34.6625, 20.4891,
78.4725

■ 71.7851, 73.1625,
86.6829

■ 31.3050, 16.6427,
77.9070

■ 81.2217, 87.6803,
88.9877

■ 28.6044, 13.9128,
77.5224

■ 88.0762, 96.8074,
90.3882

■ 26.4805, 12.1429,
77.2927

■ 91.3173, 98.4782,
90.5399

■ 25.6294, 11.5298,
77.2192

■ 91.5656, 98.6062,
90.5515

Harmonies

Analogous

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



41.7457, 39.9182, 98.9761



49.2913, 39.9182, 81.4510



54.0965, 39.9182, 55.9375

Triad

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



49.2913, 39.9182, 81.4510



42.0775, 39.9182, 14.0437



25.3087, 39.9182, 54.8920

Complementary

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



49.2913, 39.9182, 81.4510



53.6541, 69.8612, 39.5125

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.



25.3722, 39.9182, 32.9983



49.2913, 39.9182, 81.4510



34.3749, 39.9182, 13.9318

Square

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



49.2913, 39.9182, 81.4510



49.5624, 39.9182, 20.0063



28.4824, 39.9182, 19.6208



28.2951, 39.9182, 80.4656

Rectangle

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



49.2913, 39.9182, 81.4510



54.7383, 39.9182, 40.3000



28.4824, 39.9182, 19.6208



24.9883, 39.9182, 46.7897

Sweetspot

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



49.2927, 39.9199, 81.4519



82.8323, 81.3735, 105.9487



44.0368, 46.0963, 82.9211



17.4293, 16.9651, 22.6059



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.



49.2927, 39.9199, 81.4519



56.1244, 42.5453, 99.8617



57.6135, 44.3409, 75.9018



14.4221, 14.3198, 18.1482



14.3735, 6.4757, 42.8755



1.1656, 0.5318, 3.1732

Inverse Universe

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



52.6297, 42.3474, 49.6571



61.0751, 46.1128, 54.2220



47.6243, 66.6738, 42.7989



14.6087, 14.4607, 16.1398



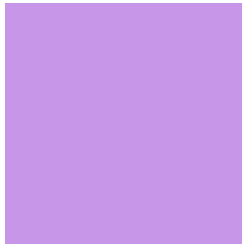
19.5697, 9.9621, 6.6293



1.4906, 0.7540, 0.7242

Previews

White Background



This preview shows how the XYZ color 49.2913, 39.9182, 81.4510 looks on a white background.

Color Contrast Check

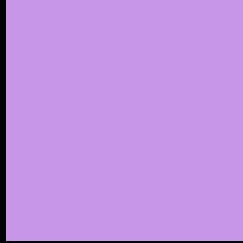
Large Text (above 18pt) WCAG AA × Fail

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 49.2913, 39.9182, 81.4510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

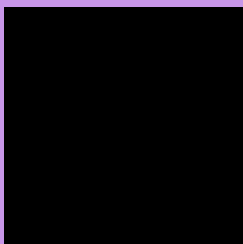
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2913, 39.9182, 81.4510

Background



This preview shows how black text looks on a background with the XYZ color 49.2913, 39.9182, 81.4510.



This preview shows how white text looks on a background with the XYZ color 49.2913, 39.9182,

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

49.2913, 39.9182, 81.4510

Protanopia

41.8017, 40.1593, 91.9345

Deuteranopia

41.0984, 40.0669, 79.6963



Tritanopia

42.0462, 39.9730, 45.5439

Trichromacy



Original Color

49.2913, 39.9182, 81.4510



Protanomaly

43.7829, 39.6735, 87.7882



Deuteranomaly

43.6054, 39.7490, 80.2370



Tritanomaly

44.3253, 39.8632, 56.9879

Monochromacy



Original Color

49.2913, 39.9182, 81.4510



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

42.8339, 40.9177, 57.2701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2913, 39.9182, 81.4510 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(200, 150, 232)` looks like.

```
.text, #text, p{  
    color:rgb(200, 150, 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(200, 150, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 150, 232) }
```

Border

The CSS property to change the border of an element to XYZ 49.2913, 39.9182, 81.4510 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(200, 150, 232) }
```


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

```
.border{ border-color:rgb(200, 150, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 150, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 150, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 150, 232);  
box-shadow:4px 4px 4px 4px rgb(200, 150,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2913, 39.9182, 81.4510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 150, 232) }
```

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

```
.background{ background-color: rgb(200,  
150, 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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