

Converting Colors

XYZ(51.0311, 49.2463, 79.4635)

Have a look what the booklet for
XYZ(51.0311, 49.2463, 79.4635)
contains.

XYZ(51.1280, 49.2852, 79.4913)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.1280, 49.2852,
79.4913)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB5E3
RGB	188, 181, 227
RGB Percent	74%, 71%, 89%
CMY	0.2627, 0.2902, 0.1098
CMYK	0.17, 0.20, 0.00, 0.11
HSL	249°, 45%, 80%
HSV	249°, 20%, 89%
XYZ	51.1280, 49.2852, 79.4913
YIQ	188.3370, -10.5940, 15.7900

Conversions

Conversions Part 2

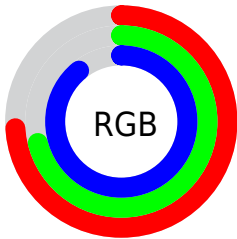
Format	Color
R _Y B	188, 181, 227
Decimal	12367331
CIE Lab	75.63, 11.69, -22.11
CIE LCh	76, 25.008, 297.869
Yxy	49.2852, 0.2842, 0.2740
Android (android.graphics.Color)	4290557411 (0xFFBCB5E3)
YUV	188.3370, 19.0609, -0.2955
Hunter-Lab	70.2034, 7.1426, -17.9916

Details

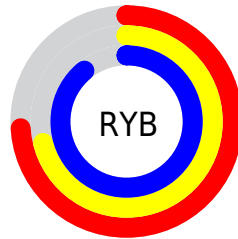
The XYZ color **51.1280, 49.2852, 79.4913** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.3266, 73.4913, 54.4605**, and the grayscale version is **47.8921, 50.3862, 54.8706**.

A 20% lighter version of the original color is **85.9904, 87.2009, 106.9070**, and **24.9971, 23.4852, 42.2453** is the 20% darker color. If you saturate the color by 10%, you get **42.4538, 38.5117, 77.8698**, and if you desaturate by 10%, it is **61.1896, 61.8927, 81.3953**.

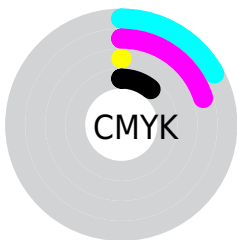
Distribution



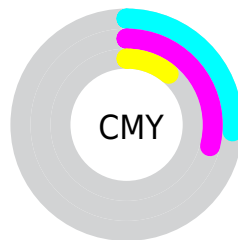
- Red (74%)
- Green (71%)
- Blue (89%)



- Red (74%)
- Yellow (71%)
- Blue (89%)



- Cyan (17%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (26%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1280, 49.2852, 79.4913 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 51.1280, 49.2852, 79.4913 by changing the saturation by 10% instead.

■ 51.1280, 49.2852,
79.4913

■ 51.1280, 49.2852,
79.4913

381.4404,
383.8640, 512.8783

■ 36.5319, 34.8458,
58.7761

■ 91.0258, 89.1149,
134.4552

■ 25.0173, 23.5441,
42.0141

117.0583,
115.2739, 169.5410

■ 16.2188, 14.9958,
28.7867

147.6336,
146.1083, 210.2542

■ 9.7709, 8.8164,
18.6753

183.1171,
182.0024, 257.0132

■ 5.3084, 4.6216,
11.2615

223.8742,
223.3407, 310.2365

■ 2.4659, 2.0270,
6.1266

270.2702,

■ 0.8781, 0.6231,

270.5074, 370.3428

2.8522

322.6705,
323.8871, 437.7506

■ 0.0000, 0.0000,
1.0197

■ 0.0000, 0.0000,
0.0000

■ 51.1280, 49.2852,
79.4913

■ 51.1280, 49.2852,
79.4913

■ 42.4538, 38.5117,
77.8698

■ 61.1896, 61.8927,
81.3953

■ 35.1012, 29.4806,
76.5141

■ 72.6913, 76.4080,
83.5908

■ 29.0059, 22.1015,
75.4111

■ 85.6889, 92.9084,
86.0907

■ 24.0961, 16.2734,
74.5449

■ 90.8653, 98.3261,
86.8636

■ 20.2931, 11.8840,
73.8981

■ 17.5078, 8.8058,
73.4508

■ 15.6369, 6.8883,
73.1793

■ 14.5427, 5.8953,
73.0453

Harmonies

Analogous

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



46.5140, 49.2852, 83.3707



51.1280, 49.2852, 79.4913



54.7908, 49.2852, 68.3902

Triad

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



51.1280, 49.2852, 79.4913



51.7379, 49.2852, 34.8460



38.5027, 49.2852, 52.7212

Complementary

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



51.1280, 49.2852, 79.4913



65.3266, 73.4913, 54.4605

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.



39.7055, 49.2852, 41.2184



51.1280, 49.2852, 79.4913



47.1757, 49.2852, 32.0127

Square

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



51.1280, 49.2852, 79.4913



55.1589, 49.2852, 42.6103



42.8064, 49.2852, 34.1403



39.4099, 49.2852, 66.4791

Rectangle

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



51.1280, 49.2852, 79.4913



56.0934, 49.2852, 59.1987



42.8064, 49.2852, 34.1403



38.6719, 49.2852, 48.4840

Sweetspot

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



51.1296, 49.2872, 79.4924



85.7493, 88.2458, 107.1214



58.5422, 66.6101, 82.4454



18.1462, 18.6264, 22.8888



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.



51.1296, 49.2872, 79.4924



61.9560, 58.4266, 102.6198



57.2260, 52.4301, 79.7777



13.7859, 13.9919, 18.1184



8.5423, 3.4696, 42.6026



0.6947, 0.2891, 3.1512

Inverse Universe

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



61.1224, 54.5481, 75.0199



77.0742, 66.3894, 95.6912



58.8633, 70.1594, 54.1581



14.8959, 14.5756, 17.6523



24.0890, 11.7698, 30.4271



1.8057, 0.8800, 2.3835

Previews

White Background



This preview shows how the XYZ color 51.1280, 49.2852, 79.4913 looks on a white background.

Color Contrast Check

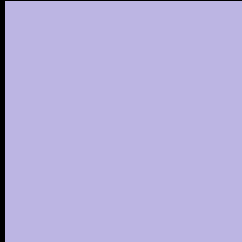
Large Text (above 18pt) WCAG AA × Fail

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 51.1280, 49.2852, 79.4913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

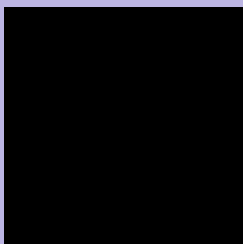
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1280, 49.2852, 79.4913

Background



This preview shows how black text looks on a background with the XYZ color 51.1280, 49.2852, 79.4913.



This preview shows how white text looks on a background with the XYZ color 51.1280, 49.2852,

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

51.1280, 49.2852, 79.4913

Protanopia

49.1878, 49.1682, 81.0267

Deuteranopia

50.3602, 49.1923, 79.5138



Tritanopia

47.5127, 49.3552, 61.6659

Trichromacy



Original Color

51.1280, 49.2852, 79.4913

Protanomaly

49.7595, 49.1717, 80.2673

Deuteranomaly

50.6007, 49.3162, 79.5251

Tritanomaly

48.7809, 49.2484, 67.9076

Monochromacy



Original Color

51.1280, 49.2852, 79.4913

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.7487, 49.6536, 62.8919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1280, 49.2852, 79.4913 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(188, 181, 227)` looks like.

```
.text, #text, p{  
    color:rgb(188, 181, 227)  
}
```

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(188, 181, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 181, 227) }
```

Border

The CSS property to change the border of an element to XYZ 51.1280, 49.2852, 79.4913 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(188, 181, 227) }
```


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

```
.border{ border-color:rgb(188, 181, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 181, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 181, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 181, 227);  
box-shadow:4px 4px 4px 4px rgb(188, 181,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1280, 49.2852, 79.4913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 181, 227) }
```

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

```
.background{ background-color: rgb(188,  
181, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor