

Converting Colors

XYZ(49.0139, 49.4370, 77.9818)

Have a look what the booklet for
XYZ(49.0139, 49.4370, 77.9818)
contains.

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Color

**XYZ(49.0710, 49.4813,
78.1987)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B9E1
RGB	177, 185, 225
RGB Percent	69%, 73%, 88%
CMY	0.3059, 0.2745, 0.1176
CMYK	0.21, 0.18, 0.00, 0.12
HSL	230°, 44%, 79%
HSV	230°, 21%, 88%
XYZ	49.0710, 49.4813, 78.1987
YIQ	187.1680, -17.6080, 10.7440

Conversions

Conversions Part 2

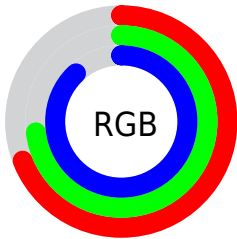
Format	Color
RYB	177, 184, 225
Decimal	11647457
CIELab	75.75, 5.64, -20.92
CIELCh	76, 21.663, 285.087
Yxy	49.4813, 0.2776, 0.2799
Android (android.graphics.Color)	4289837537 (0xFFB1B9E1)
YUV	187.1680, 18.6512, -8.9173
Hunter-Lab	70.3429, 1.4208, -16.6713

Details

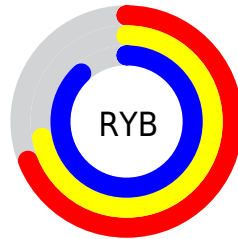
The XYZ color **49.0710, 49.4813, 78.1987** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **63.8004, 68.8075, 51.5147**, and the grayscale version is **47.2353, 49.6952, 54.1181**.

A 20% lighter version of the original color is **83.1096, 87.4542, 107.1078**, and **23.8191, 23.6899, 41.3474** is the 20% darker color. If you saturate the color by 10%, you get **40.6956, 39.7209, 76.7570**, and if you desaturate by 10%, it is **58.8117, 60.7158, 79.8546**.

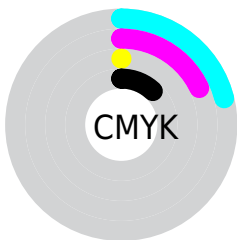
Distribution



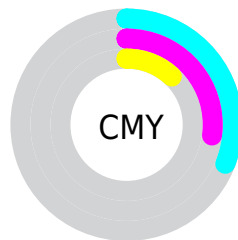
- Red (69%)
- Green (73%)
- Blue (88%)



- Red (69%)
- Yellow (72%)
- Blue (88%)



- Cyan (21%)
- Magenta (18%)
- Yellow (0%)
- Black (12%)



- Cyan (31%)
- Magenta (27%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0710, 49.4813, 78.1987 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 49.0710, 49.4813, 78.1987 by changing the saturation by 10% instead.

■ 49.0710, 49.4813,
78.1987

■ 49.0710, 49.4813,
78.1987

373.5341,
384.6340, 508.3872

■ 34.8906, 35.0014,
57.7198

■ 87.9970, 89.4059,
132.6186

■ 23.7447, 23.6640,
41.1702

113.4732,
115.6194, 167.3967

■ 15.2681, 15.0845,
28.1314

143.4455,
146.5128, 207.7783

■ 9.0953, 8.8787,
18.1848

178.2791,
182.4707, 254.1818

■ 4.8610, 4.6622,
10.9120

218.3394,
223.8774, 307.0260

■ 2.1998, 2.0504,
5.8942

263.9918,

■ 0.7427, 0.6365,

271.1172, 366.7292

2.7131

315.6015,
324.5746, 433.7101

■ 0.0000, 0.0000,
0.9500

■ 0.0000, 0.0000,
0.0000

■ 49.0710, 49.4813,
78.1987

■ 49.0710, 49.4813,
78.1987

■ 40.6956, 39.7209,
76.7570

■ 58.8117, 60.7158,
79.8546

■ 33.6193, 31.3671,
75.5175

■ 69.9706, 73.4761,
81.7295

■ 27.7776, 24.3559,
74.4721

■ 82.6034, 87.8191,
83.8321

■ 23.0981, 18.6161,
73.6109

■ 90.5908, 98.2163,
85.4180

■ 19.5011, 14.0696,
72.9229

■ 16.8961, 10.6294,
72.3962

■ 15.1772, 8.1959,
72.0170

■ 14.2683, 6.7914,
71.7938

Harmonies

Analogous

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



45.0694, 49.4813, 78.2210



49.0710, 49.4813, 78.1987



52.7189, 49.4813, 71.0641

Triad

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



49.0710, 49.4813, 78.1987



52.7010, 49.4813, 39.6726



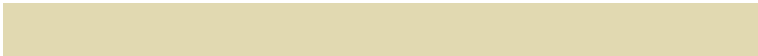
39.9504, 49.4813, 48.3788

Complementary

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



49.0710, 49.4813, 78.1987



63.8004, 68.8075, 51.5147

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.



41.7667, 49.4813, 39.7114



49.0710, 49.4813, 78.1987



49.0477, 49.4813, 35.1933

Square

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



49.0710, 49.4813, 78.1987



54.8945, 49.4813, 48.3183



45.0473, 49.4813, 35.2065



39.9559, 49.4813, 59.8459

Rectangle

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



49.0710, 49.4813, 78.1987



54.3941, 49.4813, 63.7489



45.0473, 49.4813, 35.2065



40.3634, 49.4813, 45.0803

Sweetspot

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



49.0726, 49.4833, 78.1998



85.7102, 89.3464, 107.3359



57.4782, 68.1667, 75.2304



18.1370, 18.8854, 22.9393



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.



49.0726, 49.4833, 78.1998



59.5590, 59.1946, 102.8943



51.1027, 48.1143, 77.8286



13.1358, 13.6106, 17.3225



8.2791, 4.0277, 41.3894



0.6305, 0.3925, 2.8878

Inverse Universe

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



55.5317, 50.9559, 52.8098



69.7696, 61.6848, 62.7213



61.3834, 70.6980, 52.0070



13.8000, 13.7376, 14.7169



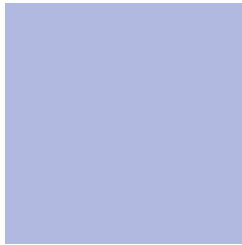
18.1191, 9.3146, 2.0270



1.2845, 0.6571, 0.2911

Previews

White Background



This preview shows how the XYZ color 49.0710, 49.4813, 78.1987 looks on a white background.

Color Contrast Check

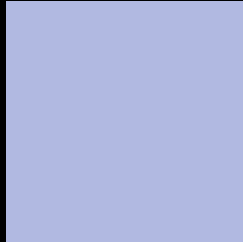
Large Text (above 18pt) WCAG AA × Fail

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 49.0710, 49.4813, 78.1987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

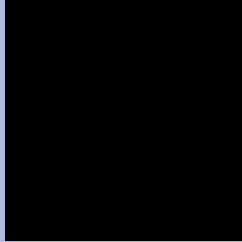
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0710, 49.4813, 78.1987

Background



This preview shows how black text looks on a background with the XYZ color 49.0710, 49.4813, 78.1987.



This preview shows how white text looks on a background with the XYZ color 49.0710, 49.4813,

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

49.0710, 49.4813, 78.1987

Protanopia

49.2997, 49.5991, 78.2094

Deuteranopia

50.4630, 49.2612, 78.8002



Tritanopia

46.3303, 49.6391, 64.2662

Trichromacy



Original Color

49.0710, 49.4813, 78.1987

Protanomaly

49.2997, 49.5991, 78.2094

Deuteranomaly

49.9524, 49.3030, 78.8352

Tritanomaly

47.3224, 49.7186, 69.3898

Monochromacy



Original Color

49.0710, 49.4813, 78.1987

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.6300, 49.4021, 62.2835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0710, 49.4813, 78.1987 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(177, 185, 225)` looks like.

```
.text, #text, p{  
    color:rgb(177, 185, 225)  
}
```

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(177, 185, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 185, 225) }
```

Border

The CSS property to change the border of an element to XYZ 49.0710, 49.4813, 78.1987 is called "border". The border property can be set on classes, ids or directly on the HTML element.

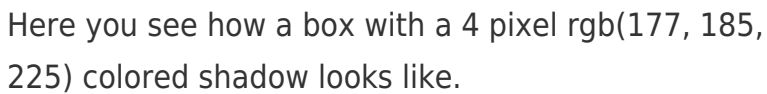
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 185, 225) }
```


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

```
.border{ border-color:rgb(177, 185, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 185, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 185, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 185, 225);  
box-shadow:4px 4px 4px 4px rgb(177, 185,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0710, 49.4813, 78.1987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 185, 225) }
```

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

```
.background{ background-color: rgb(177,  
185, 225) }
```

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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