

Converting Colors

XYZ(49.8826, 50.3511, 79.1493)

Have a look what the booklet for
XYZ(49.8826, 50.3511, 79.1493)
contains.

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Color

**XYZ(49.8579, 50.4966,
79.0705)**

Conversions

Conversions Part 1

Format	Color
Hex	B2BBE2
RGB	178, 187, 226
RGB Percent	70%, 73%, 89%
CMY	0.3020, 0.2667, 0.1137
CMYK	0.21, 0.17, 0.00, 0.11
HSL	229°, 45%, 79%
HSV	229°, 21%, 89%
XYZ	49.8579, 50.4966, 79.0705
YIQ	188.7550, -17.8830, 10.2210

Conversions

Conversions Part 2

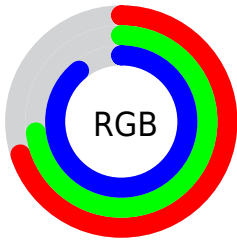
Format	Color
R_{YB}	178, 186, 226
Decimal	11713506
CIE Lab	76.37, 5.08, -20.51
CIE LCh	76, 21.126, 283.927
Yxy	50.4966, 0.2779, 0.2814
Android (android.graphics.Color)	4289903586 (0xFFB2BBE2)
YUV	188.7550, 18.3618, -9.4321
Hunter-Lab	71.0610, 0.8828, -16.2301

Details

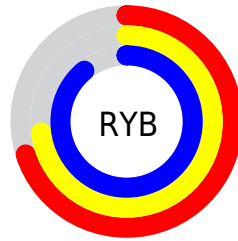
The XYZ color **49.8579, 50.4966, 79.0705** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.2133, 69.0090, 52.0565**, and the grayscale version is **48.1369, 50.6438, 55.1511**.

A 20% lighter version of the original color is **84.0323, 88.8136, 107.3215**, and **24.3332, 24.3504, 41.9457** is the 20% darker color. If you saturate the color by 10%, you get **41.4440, 40.7424, 77.6320**, and if you desaturate by 10%, it is **59.6273, 61.6914, 80.7172**.

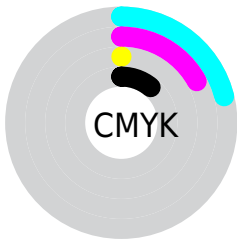
Distribution



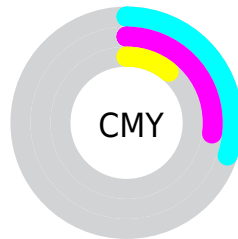
- Red (70%)
- Green (73%)
- Blue (89%)



- Red (70%)
- Yellow (73%)
- Blue (89%)



- Cyan (21%)
- Magenta (17%)
- Yellow (0%)
- Black (11%)



- Cyan (30%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8579, 50.4966, 79.0705 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 49.8579, 50.4966, 79.0705 by changing the saturation by 10% instead.

■ 49.8579, 50.4966,
79.0705

■ 49.8579, 50.4966,
79.0705

376.5712,
388.6048, 511.4187

■ 35.5178, 35.8081,
58.4321

■ 89.1574, 90.9102,
133.8577

■ 24.2304, 24.2861,
41.7391

114.8475,
117.4042, 168.8435

■ 15.6303, 15.5460,
28.5730

145.0517,
148.6021, 209.4490

■ 9.3521, 9.2034,
18.5153

180.1353,
184.8884, 256.0925

■ 5.0305, 4.8741,
11.1473

220.4637,
226.6474, 309.1928

■ 2.3001, 2.1736,
6.0506

266.4023,

■ 0.7947, 0.7055,

274.2635, 369.1682

2.8066

318.3163,
328.1212, 436.4373

■ 0.0000, 0.0000,
0.9967

■ 0.0000, 0.0000,
0.0000

■ 49.8579, 50.4966,
79.0705

■ 49.8579, 50.4966,
79.0705

■ 41.4440, 40.7424,
77.6320

■ 59.6273, 61.6914,
80.7172

■ 34.3204, 32.3638,
76.3903

■ 70.8041, 74.3763,
82.5766

■ 28.4234, 25.2994,
75.3375

■ 83.4433, 88.6058,
84.6570

■ 23.6820, 19.4812,
74.4644

■ 90.7276, 98.2710,
86.1387

■ 20.0175, 14.8345,
73.7606

■ 17.3412, 11.2762,
73.2148

■ 15.5490, 8.7115,
72.8143

■ 14.5692, 7.1742,
72.5692

Harmonies

Analogous

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



45.9113, 50.4966, 78.8006



49.8579, 50.4966, 79.0705



53.4931, 50.4966, 72.2941

Triad

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



49.8579, 50.4966, 79.0705



53.7108, 50.4966, 41.1572



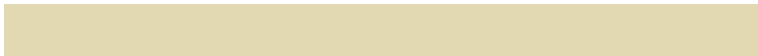
41.0222, 50.4966, 49.1443

Complementary

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



49.8579, 50.4966, 79.0705



64.2133, 69.0090, 52.0565

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.



42.8881, 50.4966, 40.6813



49.8579, 50.4966, 79.0705



50.1419, 50.4966, 36.5236

Square

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



49.8579, 50.4966, 79.0705



55.7992, 50.4966, 49.8823



46.1801, 50.4966, 36.3623



40.9556, 50.4966, 60.4184

Rectangle

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



49.8579, 50.4966, 79.0705



55.1901, 50.4966, 65.1703



46.1801, 50.4966, 36.3623



41.4550, 50.4966, 45.9154

Sweetspot

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



49.8595, 50.4987, 79.0716



85.8052, 89.5365, 107.3676



58.0040, 68.8373, 75.4680



18.1594, 18.9302, 22.9467



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.



49.8595, 50.4987, 79.0716



61.0032, 61.1377, 103.1933



51.4888, 48.5919, 78.6177



13.1590, 13.6571, 17.3302



8.3753, 4.2201, 41.4215



0.6415, 0.4144, 2.8914

Inverse Universe

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



56.2554, 51.5988, 54.0105



70.7293, 62.9523, 65.0514



62.2695, 71.5457, 52.6486



13.8117, 13.7423, 14.7787



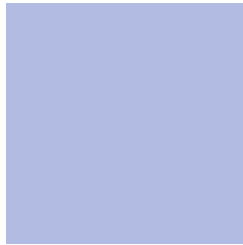
18.1677, 9.3341, 2.2827



1.2900, 0.6593, 0.3202

Previews

White Background



This preview shows how the XYZ color 49.8579, 50.4966, 79.0705 looks on a white background.

Color Contrast Check

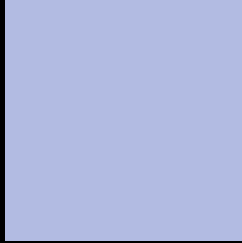
Large Text (above 18pt) WCAG AA × Fail

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 49.8579, 50.4966, 79.0705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

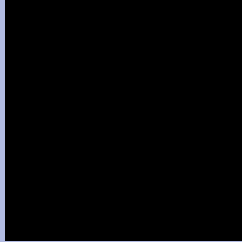
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8579, 50.4966, 79.0705

Background



This preview shows how black text looks on a background with the XYZ color 49.8579, 50.4966, 79.0705.



This preview shows how white text looks on a background with the XYZ color 49.8579, 50.4966,

79.0705.

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

49.8579, 50.4966, 79.0705

Protanopia

50.1088, 50.3121, 79.0217

Deuteranopia

51.4991, 50.3918, 79.6853



Tritanopia

47.2269, 50.7165, 65.6927

Trichromacy



Original Color

49.8579, 50.4966, 79.0705

Protanomaly

49.8768, 50.1925, 79.0108

Deuteranomaly

50.9813, 50.4343, 79.7208

Tritanomaly

48.1029, 50.7450, 70.2103

Monochromacy



Original Color

49.8579, 50.4966, 79.0705

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.6515, 50.5450, 63.0691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8579, 50.4966, 79.0705 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(178, 187, 226)` looks like.

```
.text, #text, p{  
    color:rgb(178, 187, 226)  
}
```

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(178, 187, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 187, 226) }
```

Border

The CSS property to change the border of an element to XYZ 49.8579, 50.4966, 79.0705 is called "border". The border property can be set on classes, ids or directly on the HTML element.

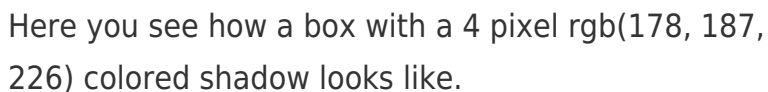
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 187, 226) }
```


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

```
.border{ border-color:rgb(178, 187, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 187, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 187, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 187, 226); box-shadow:4px 4px 4px 4px rgb(178, 187, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8579, 50.4966, 79.0705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 187, 226) }
```

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

```
.background{ background-color: rgb(178,  
187, 226) }
```

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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