

Converting Colors

XYZ(49.3088, 52.7691, 79.2515)

Have a look what the booklet for
XYZ(49.3088, 52.7691, 79.2515)
contains.

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Color

**XYZ(49.3910, 52.8460,
79.5486)**

Conversions

Conversions Part 1

Format	Color
Hex	A8C3E2
RGB	168, 195, 226
RGB Percent	66%, 76%, 89%
CMY	0.3412, 0.2353, 0.1137
CMYK	0.26, 0.14, 0.00, 0.11
HSL	212°, 50%, 77%
HSV	212°, 26%, 89%
XYZ	49.3910, 52.8460, 79.5486
YIQ	190.4610, -26.0430, 3.9170

Conversions

Conversions Part 2

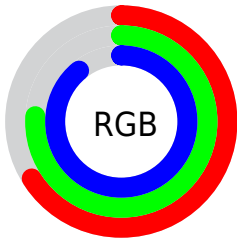
Format	Color
R _Y B	168, 186, 226
Decimal	11060194
CIE Lab	77.78, -2.26, -18.43
CIE LCh	78, 18.572, 263.012
Yxy	52.8460, 0.2717, 0.2907
Android (android.graphics.Color)	4289250274 (0xFFA8C3E2)
YUV	190.4610, 17.5207, -19.6983
Hunter-Lab	72.6953, -5.9393, -13.9929

Details

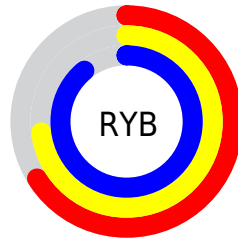
The XYZ color **49.3910, 52.8460, 79.5486** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.8560, 59.8431, 45.4960**, and the grayscale version is **49.1235, 51.6817, 56.2814**.

A 20% lighter version of the original color is **83.2876, 92.0617, 107.9877**, and **23.9458, 25.6349, 42.2140** is the 20% darker color. If you saturate the color by 10%, you get **42.3938, 45.3836, 78.4779**, and if you desaturate by 10%, it is **57.4466, 61.1816, 80.7339**.

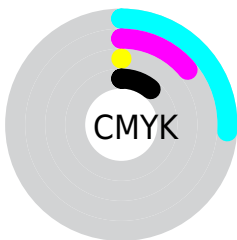
Distribution



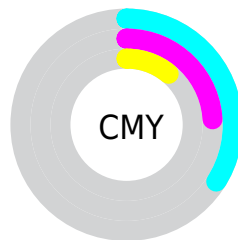
- Red (66%)
- Green (76%)
- Blue (89%)



- Red (66%)
- Yellow (73%)
- Blue (89%)



- Cyan (26%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)



- Cyan (34%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3910, 52.8460, 79.5486 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 49.3910, 52.8460, 79.5486 by changing the saturation by 10% instead.

■ 49.3910, 52.8460,
79.5486

■ 49.3910, 52.8460,
79.5486

374.7711,
397.6940, 513.0769

■ 35.1456, 37.6798,
58.8230

■ 88.4691, 94.3777,
134.5366

■ 23.9421, 25.7343,
42.0516

■ 114.0325,
121.5121, 169.6360

■ 15.4152, 16.6250,
28.8158

144.0993,
153.4046, 210.3638

■ 9.1995, 9.9675,
18.6971

179.0348,
190.4398, 257.1384

■ 4.9297, 5.3774,
11.2771

219.2044,
233.0019, 310.3785

■ 2.2404, 2.4704,
6.1370

264.9733,

■ 0.7639, 0.8617,

281.4753, 370.5026

2.8584

316.7071,
336.2446, 437.9292

■ 0.0000, 0.0000,
1.0228

■ 0.0000, 0.0000,
0.0000

■ 49.3910, 52.8460,
79.5486

■ 49.3910, 52.8460,
79.5486

■ 42.3938, 45.3836,
78.4779

■ 57.4466, 61.1816,
80.7339

■ 36.4017, 38.7553,
77.5143

■ 66.6007, 70.4147,
82.0335

■ 31.3638, 32.9284,
76.6551

■ 76.8975, 80.5764,
83.4522

■ 27.2225, 27.8649,
75.8961

■ 87.1136, 91.0431,
84.9341

■ 23.9130, 23.5228,
75.2324

■ 90.7276, 98.2711,
86.1387

■ 21.3609, 19.8546,
74.6589

■ 19.4753, 16.8042,
74.1694

■ 18.8011, 15.6380,
73.9799

Harmonies

Analogous

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



46.1775, 52.8460, 74.8746



49.3910, 52.8460, 79.5486



52.9838, 52.8460, 77.7865

Triad

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



49.3910, 52.8460, 79.5486



56.8738, 52.8460, 50.1323



44.8992, 52.8460, 46.4169

Complementary

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



49.3910, 52.8460, 79.5486



58.8560, 59.8431, 45.4960

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.



47.5705, 52.8460, 41.1526



49.3910, 52.8460, 79.5486



54.5099, 52.8460, 43.1119

Square

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



49.3910, 52.8460, 79.5486



57.4182, 52.8460, 59.9863



51.0755, 52.8460, 40.0191



43.6656, 52.8460, 55.1618

Rectangle

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



49.3910, 52.8460, 79.5486



55.1006, 52.8460, 73.2895



51.0755, 52.8460, 40.0191



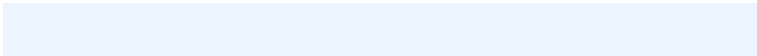
45.6525, 52.8460, 44.2263

Sweetspot

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



49.3926, 52.8481, 79.5498



84.5590, 89.5740, 107.4405



53.6470, 66.8390, 64.0672



17.7001, 18.7718, 22.9404



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.



49.3926, 52.8481, 79.5498



59.6750, 63.9079, 103.7980



44.2945, 42.0363, 77.7316



13.4754, 14.2899, 17.4357



10.8423, 9.1541, 42.2438



0.8405, 0.8124, 2.9578

Inverse Universe

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



55.2183, 48.1155, 58.0089



68.7343, 57.0826, 70.1810



65.0263, 73.0788, 47.7255



13.9714, 13.8062, 15.6197



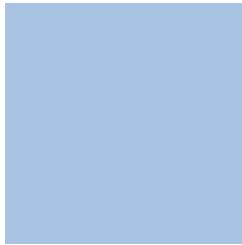
19.4129, 9.8322, 8.8400



1.3905, 0.6995, 0.8492

Previews

White Background



This preview shows how the XYZ color 49.3910, 52.8460, 79.5486 looks on a white background.

Color Contrast Check

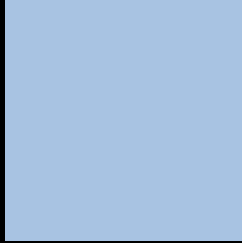
Large Text (above 18pt) WCAG AA × Fail

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 49.3910, 52.8460, 79.5486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

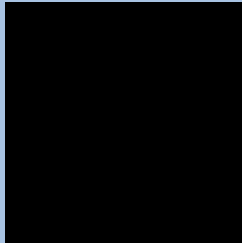
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

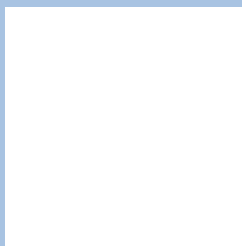
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3910, 52.8460, 79.5486

Background



This preview shows how black text looks on a background with the XYZ color 49.3910, 52.8460, 79.5486.



This preview shows how white text looks on a background with the XYZ color 49.3910, 52.8460,

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

49.3910, 52.8460, 79.5486

Protanopia

51.9824, 52.5937, 77.2239

Deuteranopia

53.7662, 52.4795, 80.6946



Tritanopia

47.4935, 52.7359, 70.6267

Trichromacy



Original Color

49.3910, 52.8460, 79.5486

Protanomaly

50.8946, 52.6648, 78.0039

Deuteranomaly

52.0457, 52.5633, 80.0757

Tritanomaly

48.1207, 52.6488, 73.9557

Monochromacy



Original Color

49.3910, 52.8460, 79.5486

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.9205, 51.9562, 63.9501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3910, 52.8460, 79.5486 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(168, 195, 226)` looks like.

```
.text, #text, p{  
    color:rgb(168, 195, 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(168, 195, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 195, 226) }
```

Border

The CSS property to change the border of an element to XYZ 49.3910, 52.8460, 79.5486 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(168, 195, 226) }
```


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

```
.border{ border-color:rgb(168, 195, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 195, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 195, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 195, 226); box-shadow:4px 4px 4px 4px rgb(168, 195, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3910, 52.8460, 79.5486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 195, 226) }
```

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

```
.background{ background-color: rgb(168,  
195, 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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