

Converting Colors

XYZ(49.4407, 54.2913, 75.1041)

Have a look what the booklet for
XYZ(49.4407, 54.2913, 75.1041)
contains.

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Color

**XYZ(49.3581, 54.2862,
74.8947)**

Conversions

Conversions Part 1

Format	Color
Hex	A8C7DB
RGB	168, 199, 219
RGB Percent	66%, 78%, 86%
CMY	0.3412, 0.2196, 0.1412
CMYK	0.23, 0.09, 0.00, 0.14
HSL	204°, 41%, 76%
HSV	204°, 23%, 86%
XYZ	49.3581, 54.2862, 74.8947
YIQ	192.0110, -24.8960, -0.3520

Conversions

Conversions Part 2

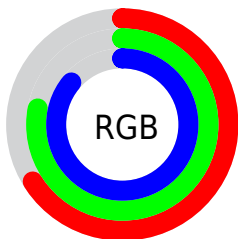
Format	Color
R_{YB}	168, 187, 219
Decimal	11061211
CIE _{Lab}	78.63, -5.99, -13.39
CIE _{LCh}	79, 14.672, 245.913
Yxy	54.2862, 0.2765, 0.3041
Android (android.graphics.Color)	4289251291 (0xFFA8C7DB)
YUV	192.0110, 13.3056, -21.0576
Hunter-Lab	73.6792, -9.3604, -8.6927

Details

The XYZ color **49.3581, 54.2862, 74.8947** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.2651, 53.8539, 44.5818**, and the grayscale version is **50.0459, 52.6522, 57.3382**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **23.8965, 26.5760, 38.9922** is the 20% darker color. If you saturate the color by 10%, you get **43.1625, 48.2427, 74.0556**, and if you desaturate by 10%, it is **56.4537, 60.9619, 75.8102**.

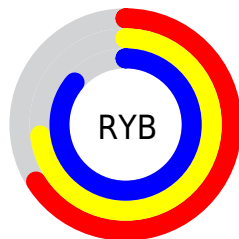
Distribution



Red (66%)

Green (78%)

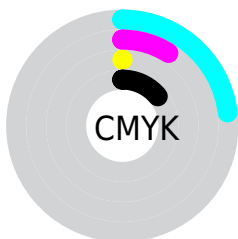
Blue (86%)



Red (66%)

Yellow (73%)

Blue (86%)

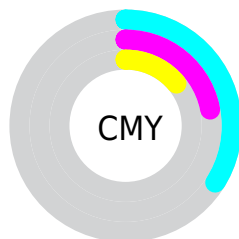


Cyan (23%)

Magenta (9%)

Yellow (0%)

Black (14%)



Cyan (34%)

Magenta (22%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3581, 54.2862, 74.8947 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 49.3581, 54.2862, 74.8947 by changing the saturation by 10% instead.

■ 49.3581, 54.2862,
74.8947

■ 49.3581, 54.2862,
74.8947

374.6440,
403.2004, 496.8013

■ 35.1193, 38.8305,
55.0254

■ 88.4206, 96.4943,
127.9090

■ 23.9218, 26.6279,
39.0233

■ 113.9751,
124.0156, 161.8911

■ 15.4000, 17.2940,
26.4699

144.0321,
156.3275, 201.4146

■ 9.1887, 10.4443,
16.9466

178.9571,
193.8144, 246.8980

■ 4.9226, 5.6945,
10.0349

219.1155,
236.8608, 298.7598

■ 2.2362, 2.6602,
5.3162

264.8725,

■ 0.7617, 0.9570,

285.8510, 357.4186

2.3720

316.5936,
341.1694, 423.2929

■ 0.0000, 0.0000,
0.7711

■ 0.0000, 0.0000,
0.0000

■ 49.3581, 54.2862,
74.8947

■ 49.3581, 54.2862,
74.8947

■ 43.1625, 48.2427,
74.0556

■ 56.4537, 60.9619,
75.8102

■ 37.8209, 42.8008,
73.2868

■ 64.4826, 68.2857,
76.8006

■ 33.2902, 37.9371,
72.5868

■ 73.4826, 76.2808,
77.8695

■ 29.5216, 33.6235,
71.9528

■ 83.2654, 84.8527,
79.0084

■ 26.4604, 29.8288,
71.3817

■ 85.7608, 89.8435,
79.8402

■ 24.0436, 26.5176,
70.8699

■ 88.3763, 95.0744,
80.7120

■ 22.1956, 23.6478,
70.4134

■ 89.7864, 97.8945,
81.1821

■ 21.1914, 21.9247,
70.1337

Harmonies

Analogous

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



47.2178, 54.2862, 68.9643



49.3581, 54.2862, 74.8947



52.1732, 54.2862, 76.4316

Triad

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



49.3581, 54.2862, 74.8947



57.3365, 54.2862, 57.4808



48.3998, 54.2862, 47.1108

Complementary

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



49.3581, 54.2862, 74.8947



54.2651, 53.8539, 44.5818

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.



51.0259, 54.2862, 44.6230



49.3581, 54.2862, 74.8947



56.2398, 54.2862, 50.2394

Square

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



49.3581, 54.2862, 74.8947



56.8495, 54.2862, 65.8585



53.9034, 54.2862, 45.7126



46.6792, 54.2862, 52.8361

Rectangle

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



49.3581, 54.2862, 74.8947



54.0692, 54.2862, 74.6435



53.9034, 54.2862, 45.7126



49.2021, 54.2862, 45.8938

Sweetspot

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



49.3597, 54.2884, 74.8959



86.5928, 92.3856, 107.8760



50.5098, 62.6004, 56.7452



18.3851, 19.6385, 23.0716



0.0000, 0.0000, 0.0000



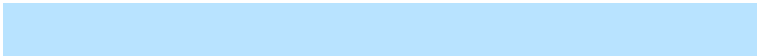
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.3597, 54.2884, 74.8959



65.1914, 72.3009, 105.1273



44.0622, 43.6934, 73.1301



12.9940, 13.9278, 16.6556



12.6748, 13.2190, 41.6219



0.9041, 1.0223, 2.7241

Inverse Universe

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



53.5262, 47.1902, 60.3228



72.1631, 60.9212, 80.6309



60.0892, 65.5019, 46.5232



13.3869, 13.1838, 15.2984



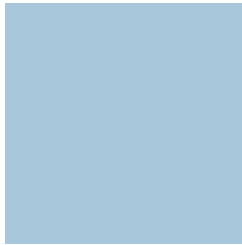
19.8930, 9.9582, 14.3484



1.3306, 0.6619, 1.1501

Previews

White Background



This preview shows how the XYZ color 49.3581, 54.2862, 74.8947 looks on a white background.

Color Contrast Check

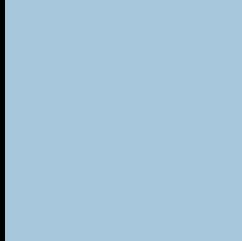
Large Text (above 18pt) WCAG AA × Fail

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 49.3581, 54.2862, 74.8947 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

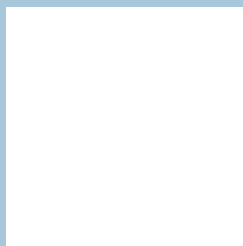
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3581, 54.2862, 74.8947

Background



This preview shows how black text looks on a background with the XYZ color 49.3581, 54.2862, 74.8947.



This preview shows how white text looks on a background with the XYZ color 49.3581, 54.2862,

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

49.3581, 54.2862, 74.8947

Protanopia

52.8216, 54.1226, 71.9527

Deuteranopia

55.0682, 53.8950, 75.9070



Tritanopia

48.9853, 54.4819, 72.9000

Trichromacy



Original Color

49.3581, 54.2862, 74.8947

Protanomaly

51.4382, 54.0554, 72.6884

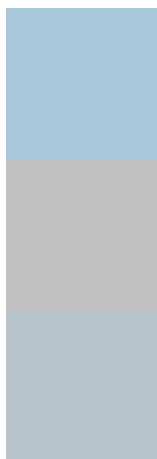
Deuteranomaly

52.7273, 53.9986, 75.3539

Tritanomaly

49.1150, 54.5338, 73.5831

Monochromacy



Original Color

49.3581, 54.2862, 74.8947

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.7042, 53.3618, 63.5573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3581, 54.2862, 74.8947 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, 199, 219)` looks like.

```
.text, #text, p{  
    color:rgb(168, 199, 219)  
}
```

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, 199, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 199, 219) }
```

Border

The CSS property to change the border of an element to XYZ 49.3581, 54.2862, 74.8947 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, 199, 219) }
```


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

```
.border{ border-color:rgb(168, 199, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 199, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 199, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 199, 219); box-shadow:4px 4px 4px 4px rgb(168, 199, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3581, 54.2862, 74.8947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 199, 219) }
```

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

```
.background{ background-color: rgb(168,  
199, 219) }
```

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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