

Converting Colors

XYZ(49.1048, 54.2582, 70.1522)

Have a look what the booklet for
XYZ(49.1048, 54.2582, 70.1522)
contains.

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Color

**XYZ(49.1017, 54.2582,
70.1723)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC7D4
RGB	171, 199, 212
RGB Percent	67%, 78%, 83%
CMY	0.3294, 0.2196, 0.1686
CMYK	0.19, 0.06, 0.00, 0.17
HSL	199°, 32%, 75%
HSV	199°, 19%, 83%
XYZ	49.1017, 54.2582, 70.1723
YIQ	192.1100, -20.8610, -1.8930

Conversions

Conversions Part 2

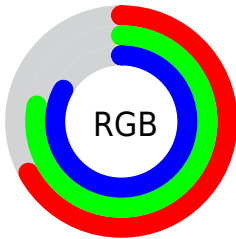
Format	Color
RYB	171, 188, 212
Decimal	11257812
CIELab	78.61, -6.62, -9.63
CIELCh	79, 11.684, 235.517
Yxy	54.2582, 0.2830, 0.3127
Android (android.graphics.Color)	4289447892 (0xFFABC7D4)
YUV	192.1100, 9.8058, -18.5135
Hunter-Lab	73.6602, -9.9176, -4.9205

Details

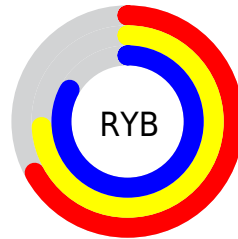
The XYZ color **49.1017, 54.2582, 70.1723** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.6432, 51.2185, 45.6936**, and the grayscale version is **50.1217, 52.7319, 57.4251**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **23.6824, 26.5367, 35.7722** is the 20% darker color. If you saturate the color by 10%, you get **43.3370, 49.0426, 69.4703**, and if you desaturate by 10%, it is **55.6785, 59.9967, 70.9342**.

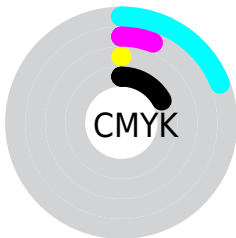
Distribution



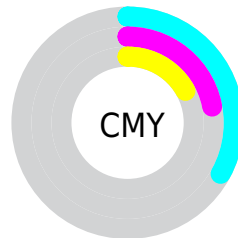
- Red (67%)
- Green (78%)
- Blue (83%)



- Red (67%)
- Yellow (74%)
- Blue (83%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (17%)



- Cyan (33%)
- Magenta (22%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1017, 54.2582, 70.1723 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 49.1017, 54.2582, 70.1723 by changing the saturation by 10% instead.

■ 49.1017, 54.2582,
70.1723

■ 49.1017, 54.2582,
70.1723

373.6529,
403.0938, 479.9602

■ 34.9150, 38.8081,
51.1893

■ 88.0423, 96.4533,
121.1379

■ 23.7636, 26.6105,
35.9815

113.5269,
123.9670, 153.9575

■ 15.2822, 17.2809,
24.1304

143.5083,
156.2708, 192.2265

■ 9.1053, 10.4350,
15.2173

178.3517,
193.7490, 236.3634

■ 4.8676, 5.6883,
8.8237

218.4225,
236.7860, 286.7866

■ 2.2037, 2.6565,
4.5311

264.0860,

■ 0.7447, 0.9551,

285.7662, 343.9148

1.9210

315.7077,
341.0740, 408.1665

■ 0.0000, 0.0000,
0.5061

■ 0.0000, 0.0000,
0.0000

■ 49.1017, 54.2582,
70.1723

■ 49.1017, 54.2582,
70.1723

■ 43.3370, 49.0426,
69.4703

■ 55.6785, 59.9967,
70.9342

■ 38.3436, 44.3233,
68.8226

■ 63.0964, 66.2701,
71.7541

■ 34.0841, 40.0810,
68.2282

■ 71.3888, 73.0981,
72.6350

■ 30.5157, 36.2926,
67.6851

■ 80.2895, 80.3449,
73.5646

■ 27.5913, 32.9322,
67.1906

■ 82.1519, 84.0697,
74.1854

■ 25.2571, 29.9707,
66.7420

■ 84.0867, 87.9393,
74.8304

■ 23.4496, 27.3739,
66.3360

■ 86.0947, 91.9553,
75.4997

■ 22.0631, 25.0860,
65.9675

■ 88.1767, 96.1193,
76.1937

■ 21.9777, 24.9412,
65.9440

■ 88.8838, 97.5335,
76.4294

Harmonies

Analogous

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



47.6730, 54.2582, 64.7172



49.1017, 54.2582, 70.1723



51.2251, 54.2582, 72.6592

Triad

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



49.1017, 54.2582, 70.1723



56.1173, 54.2582, 60.0757



49.6847, 54.2582, 48.3460

Complementary

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



49.1017, 54.2582, 70.1723



51.6432, 51.2185, 45.6936

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.



51.9180, 54.2582, 47.3042



49.1017, 54.2582, 70.1723



55.6754, 54.2582, 53.7762

Square

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



49.1017, 54.2582, 70.1723



55.3116, 54.2582, 66.5606



54.1213, 54.2582, 49.2193



48.0026, 54.2582, 52.1782

Rectangle

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



49.1017, 54.2582, 70.1723



52.7658, 54.2582, 72.1737



54.1213, 54.2582, 49.2193



50.3940, 54.2582, 47.6707

Sweetspot

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



49.1033, 54.2604, 70.1735



88.1155, 94.1570, 108.1377



48.9892, 59.2059, 54.1853



18.7050, 20.0213, 23.1286



0.0000, 0.0000, 0.0000



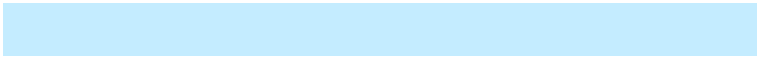
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1033, 54.2604, 70.1735



71.0189, 79.2282, 106.1572



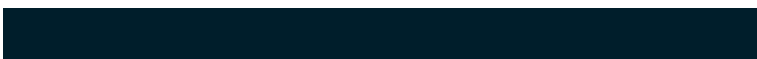
44.7028, 45.4595, 68.7067



12.4448, 13.4129, 15.8706



13.6613, 15.5844, 40.7412



0.8969, 1.0858, 2.4816

Inverse Universe

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



52.0244, 47.2477, 60.4130



76.2585, 66.9778, 88.5759



56.2110, 60.3542, 47.2162



12.7777, 12.5626, 14.7696



19.9545, 9.9181, 17.5961



1.2404, 0.6129, 1.2551

Previews

White Background



This preview shows how the XYZ color 49.1017, 54.2582, 70.1723 looks on a white background.

Color Contrast Check

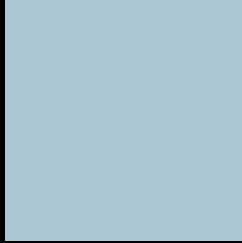
Large Text (above 18pt) WCAG AA × Fail

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 49.1017, 54.2582, 70.1723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

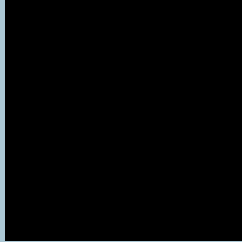
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1017, 54.2582, 70.1723

Background



This preview shows how black text looks on a background with the XYZ color 49.1017, 54.2582, 70.1723.

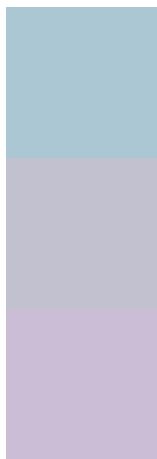


This preview shows how white text looks on a background with the XYZ color 49.1017, 54.2582,

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

49.1017, 54.2582, 70.1723

Protanopia

52.7033, 54.1633, 67.3513

Deuteranopia

55.2370, 54.0876, 71.1470



Tritanopia

49.3556, 54.3598, 71.5095

Trichromacy



Original Color

49.1017, 54.2582, 70.1723

Protanomaly

51.2734, 54.0728, 68.0563

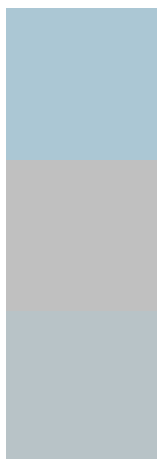
Deuteranomaly

52.8184, 54.1505, 70.6190

Tritanomaly

49.2283, 54.3089, 70.8388

Monochromacy



Original Color

49.1017, 54.2582, 70.1723

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.5911, 53.3441, 61.7155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1017, 54.2582, 70.1723 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(171, 199, 212)` looks like.

```
.text, #text, p{  
    color:rgb(171, 199, 212)  
}
```

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(171, 199, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 199, 212) }
```

Border

The CSS property to change the border of an element to XYZ 49.1017, 54.2582, 70.1723 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(171, 199, 212) }
```


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

```
.border{ border-color:rgb(171, 199, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 199, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 199, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 199, 212);  
box-shadow:4px 4px 4px 4px rgb(171, 199,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1017, 54.2582, 70.1723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 199, 212) }
```

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

```
.background{ background-color: rgb(171,  
199, 212) }
```

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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