

Converting Colors

XYZ(49.0285, 52.9013, 67.1574)

Have a look what the booklet for
XYZ(49.0285, 52.9013, 67.1574)
contains.

XYZ(49.0317, 52.9314, 67.3070)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.0317, 52.9314,
67.3070)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C3D0
RGB	177, 195, 208
RGB Percent	69%, 76%, 82%
CMY	0.3059, 0.2353, 0.1843
CMYK	0.15, 0.06, 0.00, 0.18
HSL	205°, 25%, 75%
HSV	205°, 15%, 82%
XYZ	49.0317, 52.9314, 67.3070
YIQ	191.1000, -14.9010, 0.2270

Conversions

Conversions Part 2

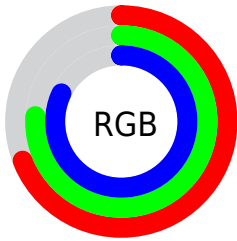
Format	Color
RYB	177, 188, 208
Decimal	11650000
CIELab	77.83, -3.45, -8.59
CIElCh	78, 9.256, 248.089
Yxy	52.9314, 0.2897, 0.3127
Android (android.graphics.Color)	4289840080 (0xFFB1C3D0)
YUV	191.1000, 8.3317, -12.3657
Hunter-Lab	72.7540, -7.0214, -3.9233

Details

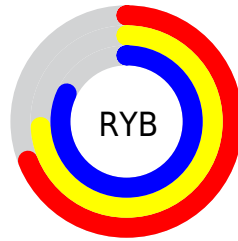
The XYZ color **49.0317, 52.9314, 67.3070** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.3619, 53.4108, 49.1455**, and the grayscale version is **49.5399, 52.1198, 56.7585**.

A 20% lighter version of the original color is **86.4647, 94.1644, 108.2261**, and **23.6698, 25.6679, 34.2787** is the 20% darker color. If you saturate the color by 10%, you get **42.7534, 46.8796, 66.4706**, and if you desaturate by 10%, it is **56.1494, 59.5881, 68.2176**.

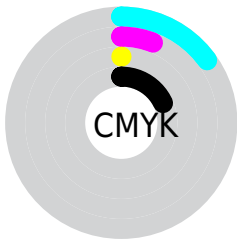
Distribution



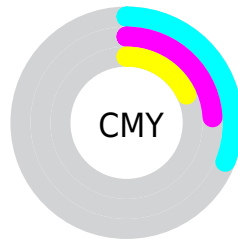
- Red (69%)
- Green (76%)
- Blue (82%)



- Red (69%)
- Yellow (74%)
- Blue (82%)



- Cyan (15%)
- Magenta (6%)
- Yellow (0%)
- Black (18%)



- Cyan (31%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0317, 52.9314, 67.3070 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 49.0317, 52.9314, 67.3070 by changing the saturation by 10% instead.

■ 49.0317, 52.9314,
67.3070

■ 49.0317, 52.9314,
67.3070

373.3820,
398.0219, 469.5680

■ 34.8593, 37.7480,
48.8710

■ 87.9390, 94.5034,
117.0050

■ 23.7205, 25.7872,
34.1523

113.4045,
121.6608, 149.1041

■ 15.2500, 16.6645,
22.7323

143.3652,
153.5784, 186.5947

■ 9.0825, 9.9956,
14.1925

178.1862,
190.6404, 229.8952

■ 4.8526, 5.3960,
8.1144

218.2331,
233.2314, 279.4242

■ 2.1949, 2.4814,
4.0794

263.8711,

■ 0.7400, 0.8673,

281.7357, 335.6004

1.6690

315.4656,
336.5378, 398.8421

■ 0.0000, 0.0000,
0.3394

■ 0.0000, 0.0000,
0.0000

■ 49.0317, 52.9314,
67.3070

■ 49.0317, 52.9314,
67.3070

■ 42.7534, 46.8796,
66.4706

■ 56.1494, 59.5881,
68.2176

■ 37.2753, 41.4055,
65.7028

■ 64.1342, 66.8627,
69.2009

■ 32.5619, 36.4892,
65.0022

■ 73.0183, 74.7758,
70.2600

■ 28.5729, 32.1070,
64.3666

■ 80.8908, 82.3450,
71.3061

■ 25.2643, 28.2330,
63.7933

■ 83.3772, 87.3178,
72.1349

■ 22.5863, 24.8385,
63.2792

■ 85.9867, 92.5369,
73.0047

■ 20.4820, 21.8906,
62.8211

■ 88.3853, 97.3341,
73.8043

■ 18.8819, 19.3503,
62.4151

■ 18.1977, 18.1788,
62.2251

Harmonies

Analogous

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



47.6398, 52.9314, 63.9537



49.0317, 52.9314, 67.3070



50.7973, 52.9314, 67.9926

Triad

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



49.0317, 52.9314, 67.3070



53.8076, 52.9314, 56.2525



48.2088, 52.9314, 50.1927

Complementary

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



49.0317, 52.9314, 67.3070



52.3619, 53.4108, 49.1455

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.



49.8252, 52.9314, 48.3835



49.0317, 52.9314, 67.3070



53.0776, 52.9314, 51.7436

Square

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



49.0317, 52.9314, 67.3070



53.5829, 52.9314, 61.4042



51.6097, 52.9314, 48.9340



47.1726, 52.9314, 54.0200

Rectangle

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



49.0317, 52.9314, 67.3070



51.9537, 52.9314, 66.8086



51.6097, 52.9314, 48.9340



48.7008, 52.9314, 49.3391

Sweetspot

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



49.0333, 52.9336, 67.3082



90.0473, 95.4183, 108.2793



49.9734, 58.1738, 57.2631



19.0779, 20.2429, 23.1517



0.0000, 0.0000, 0.0000



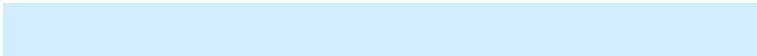
20.3446, 21.4041, 23.3091

Same Dimension

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



49.0333, 52.9336, 67.3082



74.2980, 80.6403, 106.2570



45.7548, 46.3767, 66.2154



11.7257, 12.5417, 15.0464



11.4391, 11.5248, 38.8141



0.7171, 0.7994, 2.1961

Inverse Universe

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



51.5861, 48.7954, 58.3319



79.1699, 72.9520, 89.0794



55.8802, 60.4473, 50.3182



12.0925, 11.9217, 13.7627



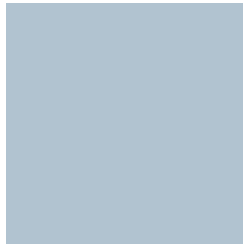
18.4046, 9.2347, 12.3030



1.0682, 0.5320, 0.8939

Previews

White Background



This preview shows how the XYZ color 49.0317, 52.9314, 67.3070 looks on a white background.

Color Contrast Check

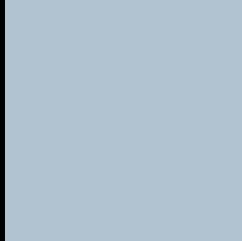
Large Text (above 18pt) WCAG AA × Fail

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 49.0317, 52.9314, 67.3070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

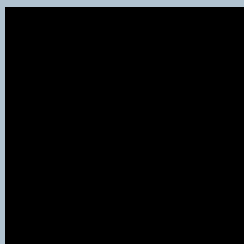
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

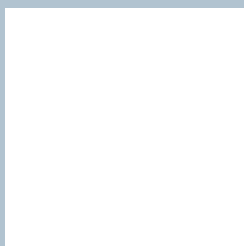
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0317, 52.9314, 67.3070

Background



This preview shows how black text looks on a background with the XYZ color 49.0317, 52.9314, 67.3070.

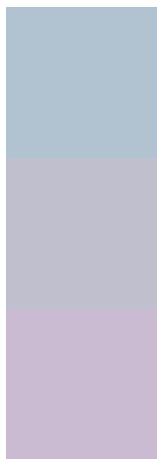


This preview shows how white text looks on a background with the XYZ color 49.0317, 52.9314,

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

49.0317, 52.9314, 67.3070

Protanopia

51.3885, 52.8758, 65.2552

Deuteranopia

54.0318, 52.8903, 68.3338



Tritanopia

49.2794, 53.0305, 68.6114

Trichromacy



Original Color

49.0317, 52.9314, 67.3070

Protanomaly

50.4837, 52.7203, 65.9078

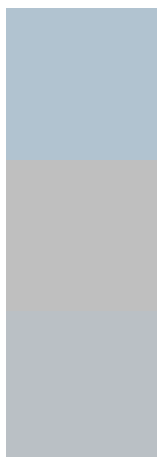
Deuteranomaly

52.1702, 52.8997, 67.7826

Tritanomaly

49.1552, 52.9808, 67.9572

Monochromacy



Original Color

49.0317, 52.9314, 67.3070

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.1774, 52.1696, 60.3011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0317, 52.9314, 67.3070 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, 195, 208)` looks like.

```
.text, #text, p{  
    color:rgb(177, 195, 208)  
}
```

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, 195, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 195, 208) }
```

Border

The CSS property to change the border of an element to XYZ 49.0317, 52.9314, 67.3070 is called "border". The border property can be set on classes, ids or directly on the HTML element.

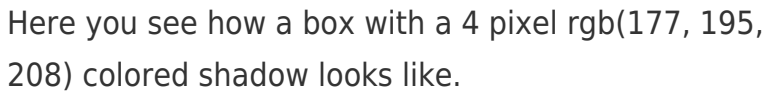
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 195, 208) }
```


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

```
.border{ border-color:rgb(177, 195, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 195, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 195, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 195, 208); box-shadow:4px 4px 4px 4px rgb(177, 195, 208) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0317, 52.9314, 67.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 195, 208) }
```

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

```
.background{ background-color: rgb(177,  
195, 208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor