

Converting Colors

XYZ(50.0355, 54.6674, 63.7952)

Have a look what the booklet for
XYZ(50.0355, 54.6674, 63.7952)
contains.

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Color

**XYZ(49.9108, 54.4762,
63.7615)**

Conversions

Conversions Part 1

Format	Color
Hex	B5C6CA
RGB	181, 198, 202
RGB Percent	71%, 78%, 79%
CMY	0.2902, 0.2235, 0.2078
CMYK	0.10, 0.02, 0.00, 0.21
HSL	191°, 17%, 75%
HSV	191°, 10%, 79%
XYZ	49.9108, 54.4762, 63.7615
YIQ	193.3730, -11.4160, -2.3600

Conversions

Conversions Part 2

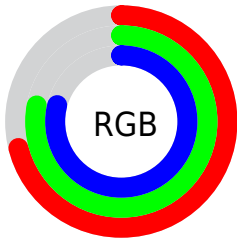
Format	Color
R_{YB}	181, 190, 202
Decimal	11912906
CIE _{Lab}	78.74, -4.97, -3.98
CIE _{LCh}	79, 6.368, 218.718
Yxy	54.4762, 0.2968, 0.3240
Android (android.graphics.Color)	4290102986 (0xFFB5C6CA)
YUV	193.3730, 4.2531, -10.8511
Hunter-Lab	73.8080, -8.4579, 0.4459

Details

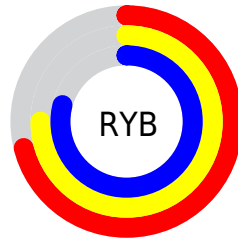
The XYZ color **49.9108, 54.4762, 63.7615** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.0468, 50.5904, 50.8441**, and the grayscale version is **50.8899, 53.5401, 58.3052**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **24.2206, 26.6738, 31.8890** is the 20% darker color. If you saturate the color by 10%, you get **44.6461, 50.4755, 63.2676**, and if you desaturate by 10%, it is **55.8877, 58.8801, 64.2974**.

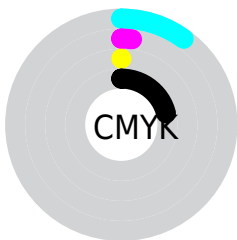
Distribution



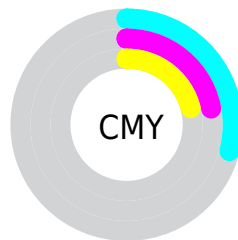
- Red (71%)
- Green (78%)
- Blue (79%)



- Red (71%)
- Yellow (75%)
- Blue (79%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (21%)



- Cyan (29%)
- Magenta (22%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9108, 54.4762, 63.7615 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 49.9108, 54.4762, 63.7615 by changing the saturation by 10% instead.

■ 49.9108, 54.4762,
63.7615

■ 49.9108, 54.4762,
63.7615

376.7748,
403.9233, 456.5117

■ 35.5600, 38.9825,
46.0126

■ 89.2353, 96.7731,
111.8635

■ 24.2631, 26.7461,
31.9070

114.9398,
124.3451, 143.0538

■ 15.6547, 17.3826,
21.0263

145.1595,
156.7119, 179.5615

■ 9.3694, 10.5077,
12.9518

180.2599,
194.2581, 221.8053

■ 5.0420, 5.7368,
7.2650

220.6062,
237.3679, 270.2036

■ 2.3069, 2.6857,
3.5474

266.5639,

■ 0.7982, 0.9700,

286.4258, 325.1751

1.3805

318.4983,
341.8161, 387.1383

■ 0.0000, 0.0000,
0.1264

■ 0.0000, 0.0000,
0.0000

■ 49.9108, 54.4762,
63.7615

■ 49.9108, 54.4762,
63.7615

■ 44.6461, 50.4755,
63.2676

■ 55.8877, 58.8801,
64.2974

■ 40.0594, 46.8556,
62.8107

■ 62.5999, 63.6951,
64.8730

■ 36.1205, 43.6024,
62.3903

■ 70.0752, 68.9370,
65.4908

■ 32.7950, 40.6978,
62.0050

■ 75.7917, 73.3060,
66.0328

■ 30.0453, 38.1222,
61.6527

■ 76.7726, 75.2678,
66.3598

■ 27.8298, 35.8538,
61.3317

■ 77.7766, 77.2758,
66.6944

■ 26.1006, 33.8677,
61.0395

■ 78.8038, 79.3303,
67.0368

■ 24.8012, 32.1346,
60.7734

■ 79.8545, 81.4316,
67.3871

■ 23.8566, 30.6558,
60.5378

■ 80.9287, 83.5801,
67.7451

Harmonies

Analogous

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



49.4202, 54.4762, 60.3731



49.9108, 54.4762, 63.7615



50.9037, 54.4762, 66.0177

Triad

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



49.9108, 54.4762, 63.7615



54.0682, 54.4762, 61.8693



51.4117, 54.4762, 52.7186

Complementary

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



49.9108, 54.4762, 63.7615



50.0468, 50.5904, 50.8441

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.



52.6622, 54.4762, 53.0827



49.9108, 54.4762, 63.7615



54.2096, 54.4762, 58.2700

Square

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



49.9108, 54.4762, 63.7615



53.3080, 54.4762, 64.8948



53.6912, 54.4762, 55.0808



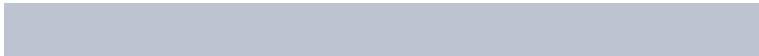
50.2775, 54.4762, 54.0652

Rectangle

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



49.9108, 54.4762, 63.7615



51.7238, 54.4762, 66.5252



53.6912, 54.4762, 55.0808



51.8322, 54.4762, 52.6461

Sweetspot

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



49.9124, 54.4785, 63.7627



91.8286, 97.6524, 108.6166



48.9186, 55.5622, 53.9631



19.4750, 20.7697, 23.2325



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.



49.9124, 54.4785, 63.7627



82.8446, 90.9914, 107.8045



47.6261, 49.9060, 63.0006



11.3547, 12.3499, 14.3557



15.4131, 19.8502, 38.9754



0.8431, 1.1200, 2.0267

Inverse Universe

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



51.0753, 49.6826, 60.3265



85.1296, 81.6371, 101.0371



52.2921, 55.0809, 51.5925



11.5924, 11.3657, 13.6543



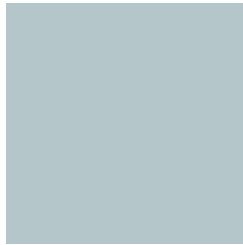
19.9907, 9.8069, 23.4676



1.0555, 0.5156, 1.3381

Previews

White Background



This preview shows how the XYZ color 49.9108, 54.4762, 63.7615 looks on a white background.

Color Contrast Check

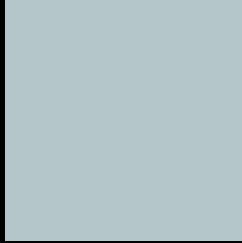
Large Text (above 18pt) WCAG AA × Fail

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 49.9108, 54.4762, 63.7615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

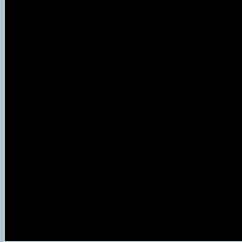
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

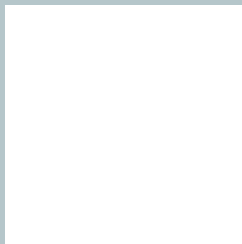
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9108, 54.4762, 63.7615

Background



This preview shows how black text looks on a background with the XYZ color 49.9108, 54.4762, 63.7615.



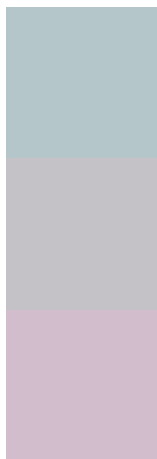
This preview shows how white text looks on a background with the XYZ color 49.9108, 54.4762,

63.7615.

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

49.9108, 54.4762, 63.7615

Protanopia

52.6265, 54.5774, 61.7936

Deuteranopia

55.3912, 54.3101, 64.6902



Tritanopia

51.1520, 54.3006, 70.0724

Trichromacy



Original Color

49.9108, 54.4762, 63.7615

Protanomaly

51.4263, 54.2767, 62.4096

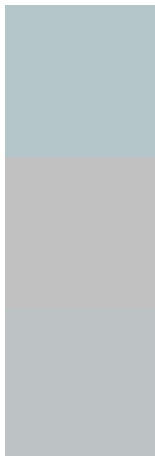
Deuteranomaly

53.1823, 54.1532, 64.1495

Tritanomaly

50.6428, 54.4317, 67.5117

Monochromacy



Original Color

49.9108, 54.4762, 63.7615

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.4652, 53.8346, 59.9559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9108, 54.4762, 63.7615 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(181, 198, 202)` looks like.

```
.text, #text, p{  
    color:rgb(181, 198, 202)  
}
```

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(181, 198, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 198, 202) }
```

Border

The CSS property to change the border of an element to XYZ 49.9108, 54.4762, 63.7615 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(181, 198, 202) }
```


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

```
.border{ border-color:rgb(181, 198, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 198, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 198, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 198, 202); box-shadow:4px 4px 4px 4px rgb(181, 198, 202) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9108, 54.4762, 63.7615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 198, 202) }
```

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

```
.background{ background-color: rgb(181,  
198, 202) }
```

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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