

Converting Colors

XYZ(49.3696, 54.7840, 67.4898)

Have a look what the booklet for
XYZ(49.3696, 54.7840, 67.4898)
contains.

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Color

**XYZ(49.4950, 54.8613,
67.6551)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | AEC8D0 |
| RGB | 174, 200, 208 |
| RGB Percent | 68%, 78%, 82% |
| CMY | 0.3176, 0.2157, 0.1843 |
| CMYK | 0.16, 0.04, 0.00, 0.18 |
| HSL | 194°, 27%, 75% |
| HSV | 194°, 16%, 82% |
| XYZ | 49.4950, 54.8613, 67.6551 |
| YIQ | 193.1380, -18.0640, -3.0240 |

Conversions

Conversions Part 2

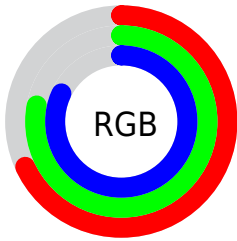
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 174, 189, 208 |
| Decimal | 11454672 |
| CIELab | 78.96, -7.05, -6.94 |
| CIELCh | 79, 9.893, 224.533 |
| Yxy | 54.8613, 0.2877, 0.3189 |
| Android (android.graphics.Color) | 4289644752 (0xFFAEC8D0) |
| YUV | 193.1380, 7.3270, -16.7840 |
| Hunter-Lab | 74.0684, -10.3400, -2.3084 |

Details

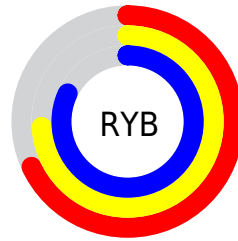
The XYZ color **49.4950, 54.8613, 67.6551** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.3807, 49.9217, 47.0259**, and the grayscale version is **50.7369, 53.3791, 58.1299**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **23.9968, 26.9558, 34.5101** is the 20% darker color. If you saturate the color by 10%, you get **44.1005, 50.4264, 67.0843**, and if you desaturate by 10%, it is **55.6465, 59.7431, 68.2740**.

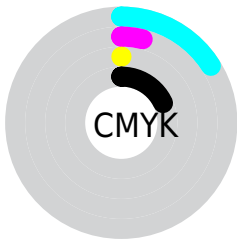
Distribution



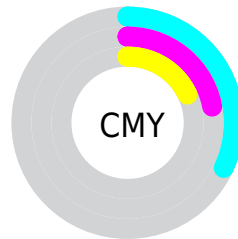
- Red (68%)
- Green (78%)
- Blue (82%)



- Red (68%)
- Yellow (74%)
- Blue (82%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (18%)



- Cyan (32%)
- Magenta (22%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4950, 54.8613, 67.6551 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 49.4950, 54.8613, 67.6551 by changing the saturation by 10% instead.

■ 49.4950, 54.8613,
67.6551

■ 49.4950, 54.8613,
67.6551

375.1725,
405.3860, 470.8379

■ 35.2285, 39.2907,
49.1523

■ 88.6225, 97.3377,
117.5081

■ 24.0063, 26.9859,
34.3738

114.2142,
125.0123, 149.6954

■ 15.4630, 17.5627,
22.9012

144.3116,
157.4903, 187.2813

■ 9.2334, 10.6365,
14.3160

179.2801,
195.1562, 230.6842

■ 4.9521, 5.8229,
8.1995

219.4851,
238.3943, 280.3228

■ 2.2536, 2.7377,
4.1333

265.2920,

■ 0.7708, 0.9964,

287.5890, 336.6156

1.6987

317.0660,
343.1248, 399.9811

■ 0.0000, 0.0000,
0.3599

■ 0.0000, 0.0000,
0.0000

■ 49.4950, 54.8613,
67.6551

■ 49.4950, 54.8613,
67.6551

■ 44.1005, 50.4264,
67.0843

■ 55.6465, 59.7431,
68.2740

■ 39.4250, 46.4141,
66.5563

■ 62.5814, 65.0817,
68.9390

■ 35.4343, 42.8077,
66.0705

■ 70.3306, 70.8948,
69.6526

■ 32.0893, 39.5864,
65.6250

■ 78.1069, 76.7772,
70.3782

■ 29.3469, 36.7276,
65.2178

■ 79.4065, 79.3765,
70.8114

■ 27.1585, 34.2057,
64.8463

■ 80.7441, 82.0516,
71.2572

■ 25.4674, 31.9909,
64.5079

■ 82.1198, 84.8030,
71.7158

■ 24.2017, 30.0457,
64.1992

■ 83.5340, 87.6314,
72.1872

■ 23.7967, 29.3768,
64.0914

■ 84.9869, 90.5373,
72.6715

Harmonies

Analogous

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



48.5691, 54.8613, 62.4933



49.4950, 54.8613, 67.6551



51.1422, 54.8613, 70.7903

Triad

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



49.4950, 54.8613, 67.6551



55.8735, 54.8613, 62.6690



51.2010, 54.8613, 49.8540

Complementary

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



49.4950, 54.8613, 67.6551



50.3807, 49.9217, 47.0259

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.



53.1588, 54.8613, 49.8945



49.4950, 54.8613, 67.6551



55.8902, 54.8613, 57.0583

Square

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



49.4950, 54.8613, 67.6551



54.8409, 54.8613, 67.7907



54.8859, 54.8613, 52.4578



49.5371, 54.8613, 52.3435

Rectangle

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



49.4950, 54.8613, 67.6551



52.4434, 54.8613, 71.1922



54.8859, 54.8613, 52.4578



51.8457, 54.8613, 49.5774

Sweetspot

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



49.4966, 54.8636, 67.6563



89.5646, 95.7630, 108.3713



48.4490, 57.4860, 52.7632



19.0110, 20.3730, 23.1803



0.0000, 0.0000, 0.0000



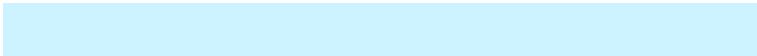
20.3446, 21.4041, 23.3091

Same Dimension

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



49.4966, 54.8636, 67.6563



75.0037, 84.1611, 106.8993



45.7890, 47.4483, 66.4205



11.9129, 12.9160, 15.1088



14.9085, 18.4636, 39.9706



0.8921, 1.1493, 2.2544

Inverse Universe

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



51.5751, 47.8533, 61.1645



79.0112, 70.9170, 94.3213



54.0614, 57.2830, 48.2528



12.1869, 11.9595, 14.2601



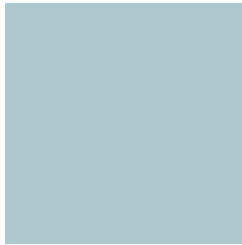
20.1558, 9.9352, 21.5246



1.1565, 0.5673, 1.3590

Previews

White Background



This preview shows how the XYZ color 49.4950, 54.8613, 67.6551 looks on a white background.

Color Contrast Check

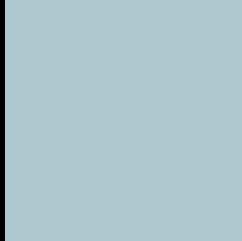
Large Text (above 18pt) WCAG AA × Fail

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 49.4950, 54.8613, 67.6551 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

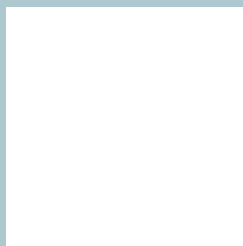
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4950, 54.8613, 67.6551

Background



This preview shows how black text looks on a background with the XYZ color 49.4950, 54.8613, 67.6551.



This preview shows how white text looks on a background with the XYZ color 49.4950, 54.8613,

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

49.4950, 54.8613, 67.6551

Protanopia

52.9558, 54.6790, 64.8898

Deuteranopia

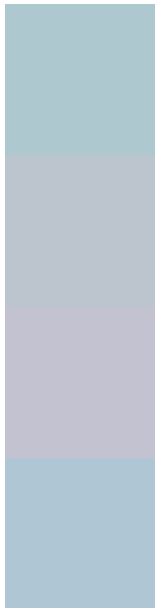
55.7784, 54.7455, 68.5999



Tritanopia

50.3684, 54.8671, 72.2257

Trichromacy



Original Color

49.4950, 54.8613, 67.6551

Protanomaly

51.4984, 54.5790, 65.5782

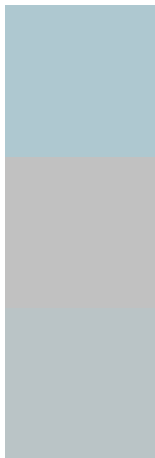
Deuteranomaly

53.3061, 54.7891, 68.0874

Tritanomaly

49.9863, 54.7143, 70.2137

Monochromacy



Original Color

49.4950, 54.8613, 67.6551

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.1827, 53.9962, 61.2035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4950, 54.8613, 67.6551 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(174, 200, 208)` looks like.

```
.text, #text, p{  
    color:rgb(174, 200, 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(174, 200, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 200, 208) }
```

Border

The CSS property to change the border of an element to XYZ 49.4950, 54.8613, 67.6551 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(174, 200, 208) }
```


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

```
.border{ border-color:rgb(174, 200, 208) }
```

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

Here you see how a box with a 4 pixel rgb(174, 200, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 200, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 200, 208);  
box-shadow:4px 4px 4px 4px rgb(174, 200,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4950, 54.8613, 67.6551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 200, 208) }
```

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

```
.background{ background-color: rgb(174,  
200, 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](#).

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