

Converting Colors

XYZ(49.9620, 57.8287, 67.8554)

Have a look what the booklet for
XYZ(49.9620, 57.8287, 67.8554)
contains.

XYZ(49.9668, 57.9416, 67.5818)	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(49.9668, 57.9416,
67.5818)**

Conversions

Conversions Part 1

Format	Color
Hex	A8D0CF
RGB	168, 208, 207
RGB Percent	66%, 82%, 81%
CMY	0.3412, 0.1843, 0.1882
CMYK	0.19, 0.00, 0.00, 0.18
HSL	178°, 30%, 74%
HSV	178°, 19%, 82%
XYZ	49.9668, 57.9416, 67.5818
YIQ	195.9260, -23.5190, -8.7910

Conversions

Conversions Part 2

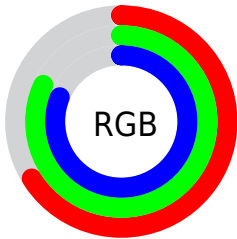
Format	Color
R _{YB}	168, 188, 208
Decimal	11063503
CIE _{Lab}	80.71, -13.30, -3.87
CIE _{LCh}	81, 13.851, 196.216
Y _{xy}	57.9416, 0.2847, 0.3302
Android (android.graphics.Color)	4289253583 (0xFFA8D0CF)
YUV	195.9260, 5.4595, -24.4911
Hunter-Lab	76.1194, -16.0367, 0.6436

Details

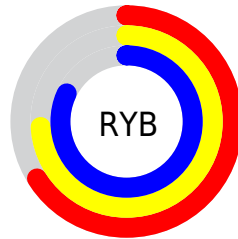
The XYZ color **49.9668, 57.9416, 67.5818** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.1785, 44.2813, 43.5991**, and the grayscale version is **52.4047, 55.1339, 60.0408**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **24.3756, 29.0559, 34.4606** is the 20% darker color. If you saturate the color by 10%, you get **45.8247, 55.8152, 67.0569**, and if you desaturate by 10%, it is **54.8208, 60.4381, 68.1436**.

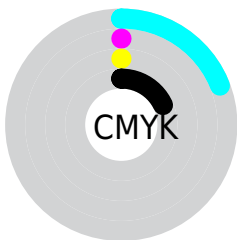
Distribution



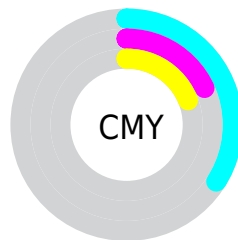
- Red (66%)
- Green (82%)
- Blue (81%)



- Red (66%)
- Yellow (74%)
- Blue (82%)



- Cyan (19%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)




- Cyan (34%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9668, 57.9416, 67.5818 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 49.9668, 57.9416, 67.5818 by changing the saturation by 10% instead.


 49.9668, 57.9416,
67.5818

 49.9668, 57.9416,
67.5818


376.9902,
416.9683, 470.5706

 35.6047, 41.7617,
49.0930


 89.3178, 101.8378,
117.4022

 24.2978, 28.9147,
34.3272


 115.0374,
130.3229, 149.5710

 15.6806, 19.0163,
22.8656


145.2736,
163.6785, 187.1368

 9.3878, 11.6821,
14.2900

180.3917,
202.2891, 230.5182

 5.0541, 6.5276,
8.1816

220.7570,
246.5389, 280.1337

 2.3141, 3.1685,
4.1219

266.7350,

 0.8019, 1.2203,

296.8125, 336.4019

1.6925

318.6909,
353.4941, 399.7414

■ 0.0000, 0.0782,
0.3556

■ 0.0000, 0.0000,
0.0000

■ 49.9668, 57.9416,
67.5818

■ 49.9668, 57.9416,
67.5818

■ 45.8247, 55.8152,
67.0569

■ 54.8208, 60.4381,
68.1436

■ 42.3559, 54.0343,
66.5634

■ 60.4130, 63.3135,
68.7398

■ 39.5257, 52.5825,
66.1008

■ 66.7746, 66.5856,
69.3731

■ 37.2944, 51.4395,
65.6674

■ 73.9335, 70.2687,
70.0448

■ 35.6177, 50.5824,
65.2610

■ 75.3811, 71.0075,
70.4504

■ 34.4454, 49.9853,
64.8793

■ 75.4460, 71.0335,
70.7923

■ 33.7181, 49.6176,
64.5196

■ 75.5112, 71.0596,
71.1354

■ 33.3361, 49.4279,
64.1771

■ 75.5765, 71.0857,
71.4796

■ 33.3114, 49.4156,
64.1510

■ 75.6421, 71.1119,
71.8248

Harmonies

Analogous

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



49.9103, 57.9416, 59.4162



49.9668, 57.9416, 67.5818



51.3598, 57.9416, 75.1336

Triad

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



49.9668, 57.9416, 67.5818



59.1309, 57.9416, 74.6047



56.3901, 57.9416, 49.0178

Complementary

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



49.9668, 57.9416, 67.5818



47.1785, 44.2813, 43.5991

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.



58.9583, 57.9416, 52.4049



49.9668, 57.9416, 67.5818



60.5773, 57.9416, 66.9092

Square

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



49.9668, 57.9416, 67.5818



56.6191, 57.9416, 79.4215



60.5131, 57.9416, 58.7990



53.5529, 57.9416, 49.1640

Rectangle

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



49.9668, 57.9416, 67.5818



52.8873, 57.9416, 78.5969



60.5131, 57.9416, 58.7990



57.3155, 57.9416, 49.7675

Sweetspot

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



49.9685, 57.9440, 67.5831



89.5817, 97.1881, 108.3220



46.0593, 56.4133, 45.5081



19.0525, 20.7397, 23.1722



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.



49.9685, 57.9440, 67.5831



76.4302, 90.4284, 106.7976



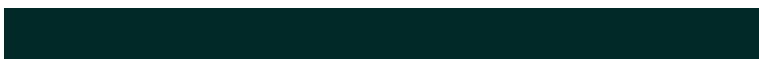
45.8047, 49.4195, 66.8021



12.1450, 13.4018, 15.1202



20.7662, 30.7994, 40.0106



1.1653, 1.7238, 2.2590

Inverse Universe

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



47.1785, 44.2813, 43.5991



71.2313, 64.9669, 62.1031



50.7821, 51.6384, 44.3375



11.8206, 11.8130, 12.3310



16.2355, 8.3670, 0.8805



0.9121, 0.4696, 0.0719

Previews

White Background



This preview shows how the XYZ color 49.9668, 57.9416, 67.5818 looks on a white background.

Color Contrast Check

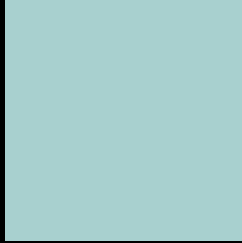
Large Text (above 18pt) WCAG AA × Fail

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 49.9668, 57.9416, 67.5818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

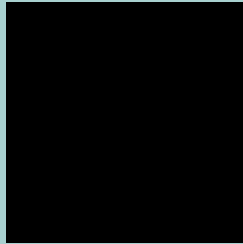
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9668, 57.9416, 67.5818

Background



This preview shows how black text looks on a background with the XYZ color 49.9668, 57.9416, 67.5818.

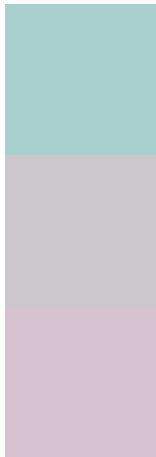


This preview shows how white text looks on a background with the XYZ color 49.9668, 57.9416,

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

49.9668, 57.9416, 67.5818

Protanopia

55.7127, 57.8076, 64.0987

Deuteranopia

58.9490, 57.6838, 68.9999



Tritanopia

52.0507, 58.0745, 77.5734

Trichromacy



Original Color

49.9668, 57.9416, 67.5818

Protanomaly

53.2548, 57.5478, 65.4278

Deuteranomaly

55.2207, 57.4561, 68.5013

Tritanomaly

51.4148, 58.1814, 74.1659

Monochromacy



Original Color

49.9668, 57.9416, 67.5818

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.3293, 55.9178, 62.7314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9668, 57.9416, 67.5818 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, 208, 207)` looks like.

```
.text, #text, p{  
    color:rgb(168, 208, 207)  
}
```

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, 208, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 208, 207) }
```

Border

The CSS property to change the border of an element to XYZ 49.9668, 57.9416, 67.5818 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, 208, 207) }
```


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

```
.border{ border-color:rgb(168, 208, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 208, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 208, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 208, 207);  
box-shadow:4px 4px 4px 4px rgb(168, 208,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9668, 57.9416, 67.5818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 208, 207) }
```

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

```
.background{ background-color: rgb(168,  
208, 207) }
```

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