

Converting Colors

XYZ(49.0778, 57.6572, 68.3957)

Have a look what the booklet for
XYZ(49.0778, 57.6572, 68.3957)
contains.

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Color

**XYZ(49.0859, 57.8364,
68.2509)**

Conversions

Conversions Part 1

Format	Color
Hex	A2D1D0
RGB	162, 209, 208
RGB Percent	64%, 82%, 82%
CMY	0.3647, 0.1804, 0.1843
CMYK	0.22, 0.00, 0.00, 0.18
HSL	179°, 34%, 73%
HSV	179°, 22%, 82%
XYZ	49.0859, 57.8364, 68.2509
YIQ	194.8330, -27.6910, -10.2750

Conversions

Conversions Part 2

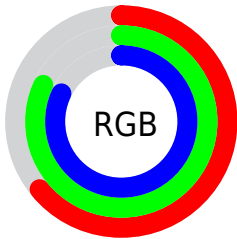
Format	Color
RYB	162, 186, 209
Decimal	10670544
CIELab	80.65, -15.43, -4.53
CIELCh	81, 16.084, 196.359
Yxy	57.8364, 0.2802, 0.3302
Android (android.graphics.Color)	4288860624 (0xFFFA2D1D0)
YUV	194.8330, 6.4913, -28.7945
Hunter-Lab	76.0502, -17.8768, 0.0257

Details

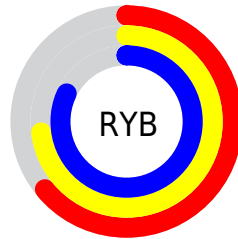
The XYZ color **49.0859, 57.8364, 68.2509** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.8277, 42.0419, 40.3522**, and the grayscale version is **51.7481, 54.4430, 59.2885**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **23.6950, 28.6955, 34.8618** is the 20% darker color. If you saturate the color by 10%, you get **45.1339, 55.8069, 67.7811**, and if you desaturate by 10%, it is **53.7471, 60.2345, 68.7571**.

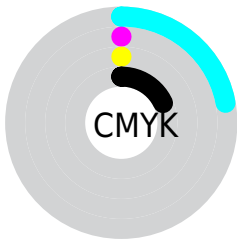
Distribution



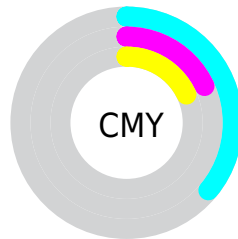
- Red (64%)
- Green (82%)
- Blue (82%)



- Red (64%)
- Yellow (73%)
- Blue (82%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)



- Cyan (36%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0859, 57.8364, 68.2509 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 49.0859, 57.8364, 68.2509 by changing the saturation by 10% instead.

■ 49.0859, 57.8364,
68.2509

■ 49.0859, 57.8364,
68.2509

373.5917,
416.5760, 473.0066

■ 34.9024, 41.6771,
49.6339

■ 88.0190, 101.6846,
118.3686

■ 23.7539, 28.8486,
34.7535

■ 113.4993,
130.1423, 150.7064

■ 15.2749, 18.9663,
23.1910

143.4760,
163.4683, 188.4549

■ 9.1001, 11.6459,
14.5280

178.3143,
202.0469, 232.0326

■ 4.8642, 6.5031,
8.3459

218.3797,
246.2626, 281.8581

■ 2.2017, 3.1533,
4.2261

264.0375,

■ 0.7436, 1.2123,

296.4998, 338.3499

1.7502

315.6531,
353.1428, 401.9266

■ 0.0000, 0.0717,
0.3948

■ 0.0000, 0.0000,
0.0000

■ 49.0859, 57.8364,
68.2509

■ 49.0859, 57.8364,
68.2509

■ 45.1339, 55.8069,
67.7811

■ 53.7471, 60.2345,
68.7571

■ 41.8511, 54.1208,
67.3423

■ 59.1448, 63.0107,
69.2974

■ 39.2014, 52.7612,
66.9339

■ 65.3111, 66.1832,
69.8744

■ 37.1433, 51.7065,
66.5539

■ 72.2748, 69.7667,
70.4896

■ 35.6304, 50.9328,
66.2003

■ 75.7032, 71.5277,
70.9401

■ 34.6090, 50.4125,
65.8705

■ 75.7589, 71.5500,
71.2336

■ 34.0150, 50.1125,
65.5615

■ 75.8148, 71.5723,
71.5279

■ 33.7661, 49.9888,
65.3391

■ 75.8709, 71.5948,
71.8230

■ 75.9270, 71.6172,
72.1189

Harmonies

Analogous

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



49.0135, 57.8364, 58.7706



49.0859, 57.8364, 68.2509



50.6936, 57.8364, 77.1136

Triad

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



49.0859, 57.8364, 68.2509



59.7095, 57.8364, 76.4156



56.4871, 57.8364, 46.8635

Complementary

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



49.0859, 57.8364, 68.2509



45.8277, 42.0419, 40.3522

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.



59.4841, 57.8364, 50.6780



49.0859, 57.8364, 68.2509



61.3944, 57.8364, 67.3732

Square

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



49.0859, 57.8364, 68.2509



56.7847, 57.8364, 82.1413



61.3103, 57.8364, 57.9764



53.1979, 57.8364, 47.0476

Rectangle

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



49.0859, 57.8364, 68.2509



52.4578, 57.8364, 81.1993



61.3103, 57.8364, 57.9764



57.5648, 57.8364, 47.7028

Sweetspot

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



49.0876, 57.8388, 68.2522



88.7239, 96.7458, 108.2842



44.5443, 56.0584, 42.6561



18.8798, 20.6506, 23.1662



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.



49.0876, 57.8388, 68.2522



73.8605, 89.1036, 106.6785



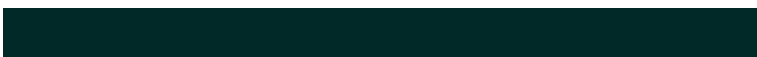
44.1951, 47.8556, 67.2321



12.1470, 13.4026, 15.1307



20.8232, 30.8222, 40.3104



1.1678, 1.7248, 2.2726

Inverse Universe

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



45.8277, 42.0419, 40.3522



67.8666, 60.0555, 55.3768



49.9448, 50.4192, 41.2830



11.8188, 11.8123, 12.3217



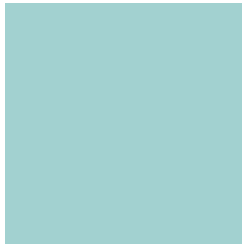
16.2321, 8.3657, 0.8623



0.9113, 0.4692, 0.0675

Previews

White Background



This preview shows how the XYZ color 49.0859, 57.8364, 68.2509 looks on a white background.

Color Contrast Check

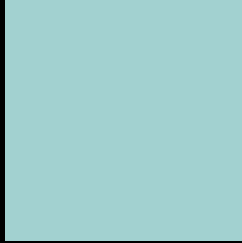
Large Text (above 18pt) WCAG AA × Fail

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 49.0859, 57.8364, 68.2509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

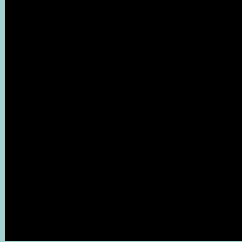
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0859, 57.8364, 68.2509

Background



This preview shows how black text looks on a background with the XYZ color 49.0859, 57.8364, 68.2509.



This preview shows how white text looks on a background with the XYZ color 49.0859, 57.8364,

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

49.0859, 57.8364, 68.2509

Protanopia

55.4412, 57.6677, 64.0860

Deuteranopia

58.7812, 57.5829, 69.6445



Tritanopia

51.1492, 57.9527, 78.3022

Trichromacy



Original Color

49.0859, 57.8364, 68.2509

Protanomaly

52.7485, 57.6363, 65.4715

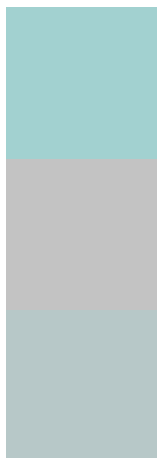
Deuteranomaly

54.5620, 57.1021, 69.1188

Tritanomaly

50.5206, 58.0662, 74.8748

Monochromacy



Original Color

49.0859, 57.8364, 68.2509

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.6080, 55.5460, 62.6977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0859, 57.8364, 68.2509 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(162, 209, 208)` looks like.

```
.text, #text, p{  
    color:rgb(162, 209, 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(162, 209, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 209, 208) }
```

Border

The CSS property to change the border of an element to XYZ 49.0859, 57.8364, 68.2509 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(162, 209, 208) }
```


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

```
.border{ border-color:rgb(162, 209, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 209, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 209, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 209, 208);  
box-shadow:4px 4px 4px 4px rgb(162, 209,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0859, 57.8364, 68.2509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 209, 208) }
```

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

```
.background{ background-color: rgb(162,  
209, 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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