

Converting Colors

XYZ(49.4355, 56.4188, 68.3621)

Have a look what the booklet for
XYZ(49.4355, 56.4188, 68.3621)
contains.

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Color

**XYZ(49.4884, 56.5909,
68.6364)**

Conversions

Conversions Part 1

Format	Color
Hex	A8CDD1
RGB	168, 205, 209
RGB Percent	66%, 80%, 82%
CMY	0.3412, 0.1961, 0.1804
CMYK	0.20, 0.02, 0.00, 0.18
HSL	186°, 31%, 74%
HSV	186°, 20%, 82%
XYZ	49.4884, 56.5909, 68.6364
YIQ	194.3930, -23.3360, -6.6000

Conversions

Conversions Part 2

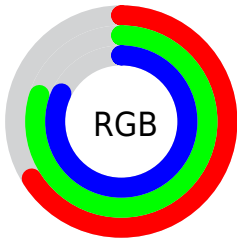
Format	Color
R _{YB}	168, 187, 209
Decimal	11062737
CIE Lab	79.95, -11.33, -6.06
CIE LCh	80, 12.845, 208.133
Yxy	56.5909, 0.2833, 0.3239
Android (android.graphics.Color)	4289252817 (0xFFA8CDD1)
YUV	194.3930, 7.2013, -23.1467
Hunter-Lab	75.2269, -14.2200, -1.4368

Details

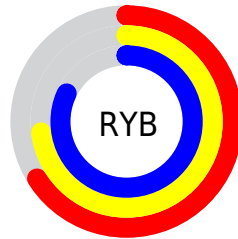
The XYZ color **49.4884, 56.5909, 68.6364** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.1154, 45.8877, 43.3682**, and the grayscale version is **51.4808, 54.1619, 58.9823**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **24.0532, 28.1446, 35.1751** is the 20% darker color. If you saturate the color by 10%, you get **44.9078, 53.5120, 68.2845**, and if you desaturate by 10%, it is **54.7938, 60.0558, 69.0265**.

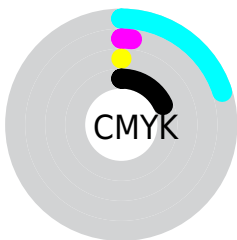
Distribution



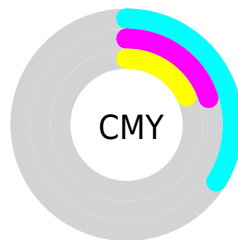
- Red (66%)
- Green (80%)
- Blue (82%)



- Red (66%)
- Yellow (73%)
- Blue (82%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (18%)



- Cyan (34%)
- Magenta (20%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4884, 56.5909, 68.6364 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 49.4884, 56.5909, 68.6364 by changing the saturation by 10% instead.

■ 49.4884, 56.5909,
68.6364

■ 49.4884, 56.5909,
68.6364

375.1470,
411.9146, 474.4067

■ 35.2232, 40.6769,
49.9457

■ 88.6128, 99.8680,
118.9249

■ 24.0022, 28.0667,
34.9994

■ 114.2026,
127.9999, 151.3598

■ 15.4600, 18.3759,
23.3789

144.2981,
160.9732, 189.2132

■ 9.2313, 11.2202,
14.6656

179.2646,
199.1723, 232.9037

■ 4.9506, 6.2152,
8.4410

219.4673,
242.9816, 282.8497

■ 2.2528, 2.9764,
4.2866

265.2718,

■ 0.7703, 1.1194,

292.7855, 339.4699

1.7839

317.0432,
348.9683, 403.1827

■ 0.0000, 0.0000,
0.4173

■ 0.0000, 0.0000,
0.0000

■ 49.4884, 56.5909,
68.6364

■ 49.4884, 56.5909,
68.6364

■ 44.9078, 53.5120,
68.2845

■ 54.7938, 60.0558,
69.0265

■ 41.0128, 50.7946,
67.9652

■ 60.8510, 63.9162,
69.4524

■ 37.7684, 48.4218,
67.6782

■ 67.6913, 68.1898,
69.9167

■ 35.1340, 46.3729,
67.4216

■ 75.3432, 72.8914,
70.4209

■ 33.0647, 44.6245,
67.1932

■ 77.0983, 74.5625,
70.6510

■ 31.5093, 43.1504,
66.9906

■ 77.6210, 75.6080,
70.8252

■ 30.4073, 41.9191,
66.8111

■ 78.1503, 76.6665,
71.0016

■ 29.6525, 40.8760,
66.6495

■ 78.6860, 77.7380,
71.1802

■ 29.6257, 40.8373,
66.6435

■ 79.2283, 78.8225,
71.3610

Harmonies

Analogous

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



48.9329, 56.5909, 61.1515



49.4884, 56.5909, 68.6364



51.1853, 56.5909, 74.6289

Triad

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



49.4884, 56.5909, 68.6364



58.1575, 56.5909, 69.5102



53.9514, 56.5909, 48.3571

Complementary

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



49.4884, 56.5909, 68.6364



48.1154, 45.8877, 43.3682

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.



56.4774, 56.5909, 50.2144



49.4884, 56.5909, 68.6364



58.9540, 56.5909, 62.0866

Square

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



49.4884, 56.5909, 68.6364



56.1858, 56.5909, 75.1614



58.3296, 56.5909, 55.0949



51.4593, 56.5909, 49.8076

Rectangle

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



49.4884, 56.5909, 68.6364



52.7640, 56.5909, 76.7583



58.3296, 56.5909, 55.0949



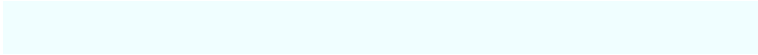
54.8251, 56.5909, 48.6120

Sweetspot

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



49.4901, 56.5932, 68.6377



89.1694, 96.2647, 108.4890



46.3405, 56.8830, 47.2749



18.9546, 20.5206, 23.2118



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.



49.4901, 56.5932, 68.6377



74.1328, 86.4348, 107.3841



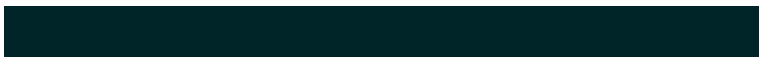
45.0246, 47.6622, 67.1492



12.0558, 13.2018, 15.1565



18.3065, 25.2596, 41.1032



1.0528, 1.4708, 2.3080

Inverse Universe

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



51.3179, 45.9696, 63.9285



77.5914, 66.5962, 98.4145



52.1947, 54.0462, 44.7280



12.2590, 11.9884, 14.6399



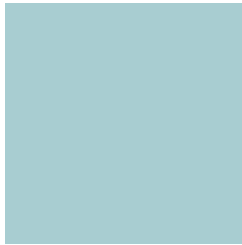
21.8710, 10.6212, 30.5565



1.2376, 0.5998, 1.7862

Previews

White Background



This preview shows how the XYZ color 49.4884, 56.5909, 68.6364 looks on a white background.

Color Contrast Check

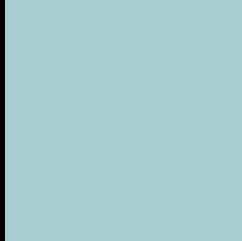
Large Text (above 18pt) WCAG AA × Fail

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 49.4884, 56.5909, 68.6364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

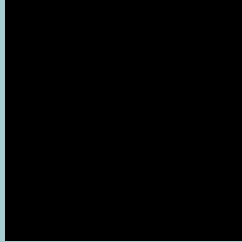
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4884, 56.5909, 68.6364

Background



This preview shows how black text looks on a background with the XYZ color 49.4884, 56.5909, 68.6364.

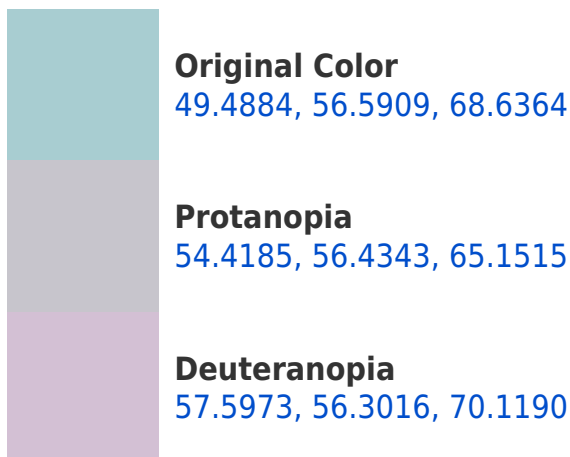


This preview shows how white text looks on a background with the XYZ color 49.4884, 56.5909,

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





Tritanopia

50.8518, 56.4252, 75.9211

Trichromacy



Original Color

49.4884, 56.5909, 68.6364

Protanomaly

52.5339, 56.4562, 66.5208

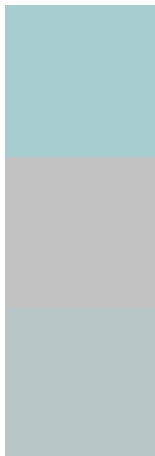
Deuteranomaly

54.2298, 56.2378, 69.6248

Tritanomaly

50.3497, 56.5786, 73.2328

Monochromacy



Original Color

49.4884, 56.5909, 68.6364

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.5105, 54.8260, 61.9531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4884, 56.5909, 68.6364 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, 205, 209)` looks like.

```
.text, #text, p{  
    color:rgb(168, 205, 209)  
}
```

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, 205, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 205, 209) }
```

Border

The CSS property to change the border of an element to XYZ 49.4884, 56.5909, 68.6364 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, 205, 209) }
```


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

```
.border{ border-color:rgb(168, 205, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 205, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 205, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 205, 209);  
box-shadow:4px 4px 4px 4px rgb(168, 205,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4884, 56.5909, 68.6364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 205, 209) }
```

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

```
.background{ background-color: rgb(168,  
205, 209) }
```

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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