

Converting Colors

XYZ(49.2313, 55.8153, 68.2098)

Have a look what the booklet for
XYZ(49.2313, 55.8153, 68.2098)
contains.

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Color

**XYZ(49.2267, 55.7503,
68.4880)**

Conversions

Conversions Part 1

Format	Color
Hex	A9CBD1
RGB	169, 203, 209
RGB Percent	66%, 80%, 82%
CMY	0.3372, 0.2039, 0.1804
CMYK	0.19, 0.03, 0.00, 0.18
HSL	189°, 30%, 74%
HSV	189°, 19%, 82%
XYZ	49.2267, 55.7503, 68.4880
YIQ	193.5180, -22.1900, -5.3420

Conversions

Conversions Part 2

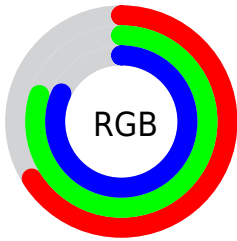
Format	Color
RYB	169, 187, 209
Decimal	11127761
CIELab	79.47, -9.98, -6.76
CIELCh	79, 12.051, 214.098
Yxy	55.7503, 0.2838, 0.3214
Android (android.graphics.Color)	4289317841 (0xFFA9CBD1)
YUV	193.5180, 7.6326, -21.5023
Hunter-Lab	74.6661, -12.9823, -2.1179

Details

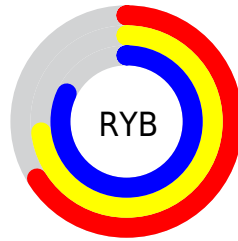
The XYZ color **49.2267, 55.7503, 68.4880** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.7864, 47.0798, 44.0531**, and the grayscale version is **50.9605, 53.6145, 58.3861**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **23.8663, 27.5745, 35.0749** is the 20% darker color. If you saturate the color by 10%, you get **44.3643, 52.1575, 68.0517**, and if you desaturate by 10%, it is **54.8241, 59.7471, 68.9653**.

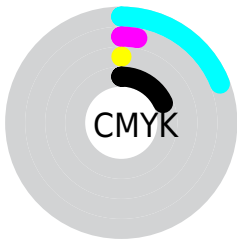
Distribution



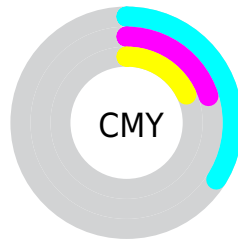
- Red (66%)
- Green (80%)
- Blue (82%)



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



- Cyan (19%)
- Magenta (3%)
- Yellow (0%)
- Black (18%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2267, 55.7503, 68.4880 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 49.2267, 55.7503, 68.4880 by changing the saturation by 10% instead.

■ 49.2267, 55.7503,
68.4880

■ 49.2267, 55.7503,
68.4880

374.1363,
408.7498, 473.8680

■ 35.0146, 40.0028,
49.8257

■ 88.2268, 98.6394,
118.7108

■ 23.8407, 27.5407,
34.9047

113.7454,
126.5497, 151.1084

■ 15.3396, 17.9797,
23.3065

143.7637,
159.2831, 188.9214

■ 9.1459, 10.9354,
14.6126

178.6469,
197.2240, 232.5685

■ 4.8944, 6.0234,
8.4043

218.7604,
240.7567, 282.4682

■ 2.2195, 2.8593,
4.2633

264.4696,

■ 0.7530, 1.0587,

290.2656, 339.0389

1.7709

316.1398,
346.1352, 402.6994

■ 0.0000, 0.0000,
0.4086

■ 0.0000, 0.0000,
0.0000

■ 49.2267, 55.7503,
68.4880

■ 49.2267, 55.7503,
68.4880

■ 44.3643, 52.1575,
68.0517

■ 54.8241, 59.7471,
68.9653

■ 40.1978, 48.9441,
67.6511

■ 61.1833, 64.1575,
69.4815

■ 36.6921, 46.0934,
67.2856

■ 68.3359, 68.9993,
70.0391

■ 33.8070, 43.5843,
66.9533

■ 76.3101, 74.2874,
70.6395

■ 31.4976, 41.3937,
66.6522

■ 77.9949, 76.3558,
70.9499

■ 29.7130, 39.4952,
66.3798

■ 78.8186, 78.0031,
71.2245

■ 28.3932, 37.8578,
66.1334

■ 79.6577, 79.6814,
71.5042

■ 27.4388, 36.4300,
65.9081

■ 80.5124, 81.3907,
71.7891

■ 27.3626, 36.3111,
65.8891

■ 81.3827, 83.1313,
72.0792

Harmonies

Analogous

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



48.4798, 55.7503, 61.6604



49.2267, 55.7503, 68.4880



50.9813, 55.7503, 73.5031

Triad

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



49.2267, 55.7503, 68.4880



57.2880, 55.7503, 66.7150



52.6570, 55.7503, 48.3515

Complementary

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



49.2267, 55.7503, 68.4880



48.7864, 47.0798, 44.0531

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.



55.0487, 55.7503, 49.4818



49.2267, 55.7503, 68.4880



57.7694, 55.7503, 59.7548

Square

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



49.2267, 55.7503, 68.4880



55.6419, 55.7503, 72.4259



56.9382, 55.7503, 53.5308



50.4217, 55.7503, 50.3179

Rectangle

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



49.2267, 55.7503, 68.4880



52.5117, 55.7503, 74.9538



56.9382, 55.7503, 53.5308



53.4691, 55.7503, 48.3830

Sweetspot

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



49.2283, 55.7526, 68.4893



88.9159, 95.7579, 108.4045



46.8362, 57.1060, 48.7700



18.8946, 20.4004, 23.1918



0.0000, 0.0000, 0.0000



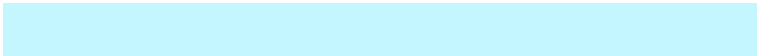
20.3446, 21.4041, 23.3091

Same Dimension

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



49.2283, 55.7526, 68.4893



73.9247, 85.0399, 107.1258



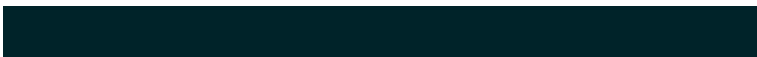
44.9431, 47.1822, 67.0609



12.0011, 13.0924, 15.1382



16.9282, 22.5031, 40.6438



0.9885, 1.3422, 2.2865

Inverse Universe

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



51.2632, 46.2442, 62.7267



77.7252, 67.5644, 96.2996



52.8230, 55.1530, 45.3986



12.2314, 11.9773, 14.4945



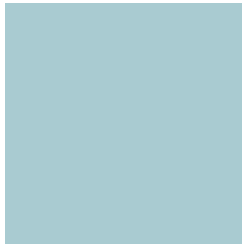
21.1753, 10.3430, 26.8931



1.2052, 0.5868, 1.6153

Previews

White Background



This preview shows how the XYZ color 49.2267, 55.7503, 68.4880 looks on a white background.

Color Contrast Check

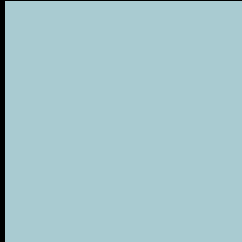
Large Text (above 18pt) WCAG AA × Fail

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 49.2267, 55.7503, 68.4880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

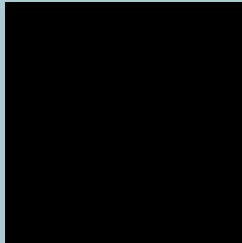
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2267, 55.7503, 68.4880

Background



This preview shows how black text looks on a background with the XYZ color 49.2267, 55.7503, 68.4880.



This preview shows how white text looks on a background with the XYZ color 49.2267, 55.7503,

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

49.2267, 55.7503, 68.4880

Protanopia

53.7029, 55.3956, 64.9887

Deuteranopia

56.6832, 55.5201, 69.3569



Tritanopia

50.5700, 55.9609, 74.4659

Trichromacy



Original Color

49.2267, 55.7503, 68.4880

Protanomaly

51.8282, 55.4092, 66.3559

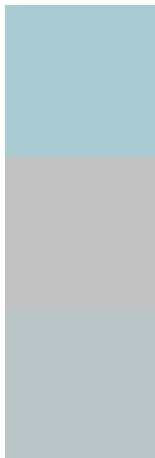
Deuteranomaly

53.3961, 55.1527, 68.8040

Tritanomaly

49.9638, 55.6934, 72.4065

Monochromacy



Original Color

49.2267, 55.7503, 68.4880

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.2826, 54.3703, 61.8772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2267, 55.7503, 68.4880 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(169, 203, 209)` looks like.

```
.text, #text, p{  
    color:rgb(169, 203, 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(169, 203, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 203, 209) }
```

Border

The CSS property to change the border of an element to XYZ 49.2267, 55.7503, 68.4880 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(169, 203, 209) }
```


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

```
.border{ border-color:rgb(169, 203, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 203, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 203, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 203, 209);  
box-shadow:4px 4px 4px 4px rgb(169, 203,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2267, 55.7503, 68.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 203, 209) }
```

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

```
.background{ background-color: rgb(169,  
203, 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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