

Converting Colors

XYZ(51.4208, 62.0380, 68.4785)

Have a look what the booklet for
XYZ(51.4208, 62.0380, 68.4785)
contains.

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Color

**XYZ(51.3852, 62.0232,
68.2949)**

Conversions

Conversions Part 1

Format	Color
Hex	A4D9CF
RGB	164, 217, 207
RGB Percent	64%, 85%, 81%
CMY	0.3569, 0.1490, 0.1882
CMYK	0.24, 0.00, 0.05, 0.15
HSL	169°, 41%, 75%
HSV	169°, 24%, 85%
XYZ	51.3852, 62.0232, 68.2949
YIQ	200.0130, -28.3780, -14.3460

Conversions

Conversions Part 2

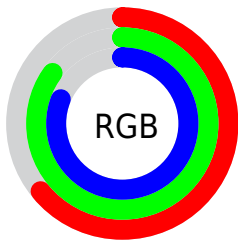
Format	Color
RYB	164, 193, 217
Decimal	10803663
CIELab	82.93, -19.08, -0.64
CIElCh	83, 19.094, 181.919
Yxy	62.0232, 0.2828, 0.3413
Android (android.graphics.Color)	4288993743 (0xFFA4D9CF)
YUV	200.0130, 3.4446, -31.5834
Hunter-Lab	78.7548, -21.3549, 3.7130

Details

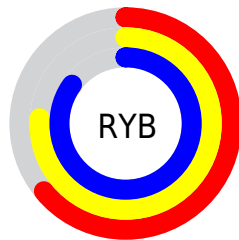
The XYZ color **51.3852, 62.0232, 68.2949** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.5329, 44.3603, 45.9987**, and the grayscale version is **54.9011, 57.7603, 62.9009**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **25.2256, 31.5201, 34.8914** is the 20% darker color. If you saturate the color by 10%, you get **46.7895, 59.7128, 65.5010**, and if you desaturate by 10%, it is **56.7616, 64.7378, 71.1958**.

Distribution



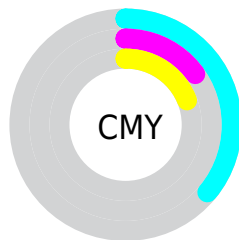
- Red (64%)
- Green (85%)
- Blue (81%)



- Red (64%)
- Yellow (76%)
- Blue (85%)



- Cyan (24%)
- Magenta (0%)
- Yellow (5%)
- Black (15%)





- Cyan (36%)
- Magenta (15%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3852, 62.0232, 68.2949 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 51.3852, 62.0232, 68.2949 by changing the saturation by 10% instead.


 51.3852, 62.0232,
68.2949


 51.3852, 62.0232,
68.2949


382.4216,
432.0157, 473.1666

 36.7375, 45.0514,
49.6695


 91.4035, 107.7591,
118.4321

 25.1771, 31.4979,
34.7815


 117.5049,
137.2920, 150.7810

 16.3385, 20.9783,
23.2124

148.1549,
171.7807, 188.5415

 9.8564, 13.1082,
14.5437

183.7188,
211.6097, 232.1321

 5.3654, 7.5031,
8.3567

224.5621,
257.1632, 281.9714

 2.5001, 3.7787,
4.2330

271.0501,

 0.8953, 1.5505,

308.8259, 338.4778

1.7540

323.5482,
366.9819, 402.0701

0.0000, 0.3239,
0.3974

0.0000, 0.0000,
0.0000

51.3852, 62.0232,
68.2949

51.3852, 62.0232,
68.2949

46.7895, 59.7128,
65.5010

56.7616, 64.7378,
71.1958

42.9302, 57.7789,
62.8076

62.9494, 67.8676,
74.2016

39.7669, 56.2023,
60.2135

69.9842, 71.4326,
77.3159

37.2530, 54.9589,
57.7161

77.8981, 75.4492,
80.5406

■ 35.3359, 54.0219,
55.3123

■ 79.9852, 76.4604,
83.5624

■ 33.9550, 53.3598,
52.9989

■ 80.5589, 76.6899,
86.5836

■ 33.0364, 52.9346,
50.7718

■ 81.1462, 76.9248,
89.6762

■ 32.6554, 52.7645,
49.5640

■ 81.7471, 77.1652,
92.8406

■ 82.3618, 77.4110,
96.0773

Harmonies

Analogous

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



52.2365, 62.0232, 57.4092



51.3852, 62.0232, 68.2949



52.4815, 62.0232, 80.2480

Triad

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



51.3852, 62.0232, 68.2949



63.2382, 62.0232, 88.6711



62.7582, 62.0232, 49.4335

Complementary

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



51.3852, 62.0232, 68.2949



49.5329, 44.3603, 45.9987

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.



65.9319, 62.0232, 56.2370



51.3852, 62.0232, 68.2949



66.2180, 62.0232, 78.7815

Square

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



51.3852, 62.0232, 68.2949



59.2167, 62.0232, 92.8313



67.2256, 62.0232, 66.7762



58.6865, 62.0232, 47.3066

Rectangle

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



51.3852, 62.0232, 68.2949



54.2003, 62.0232, 87.0047



67.2256, 62.0232, 66.7762



63.9719, 62.0232, 51.2070

Sweetspot

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



51.3870, 62.0257, 68.2963



88.2475, 96.5553, 105.7753



49.1052, 61.3764, 44.3818



18.7691, 20.6064, 22.5834



0.0000, 0.0000, 0.0000



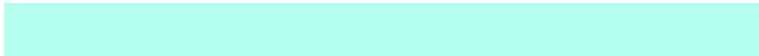
20.3446, 21.4041, 23.3091

Same Dimension

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



51.3870, 62.0257, 68.2963



70.7115, 87.7033, 96.4551



48.7461, 54.7244, 73.6422



13.3340, 14.7852, 16.2217



19.8040, 31.9542, 30.1969



1.3108, 2.0813, 2.1025

Inverse Universe

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



49.5329, 44.3603, 45.9987



67.6251, 58.2685, 59.3160



51.6193, 50.0361, 42.0604



13.1559, 13.0915, 14.0824



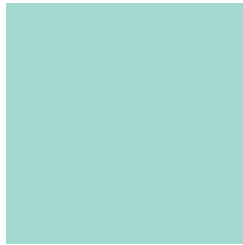
17.5928, 9.0382, 2.2360



1.1697, 0.5975, 0.3024

Previews

White Background



This preview shows how the XYZ color 51.3852, 62.0232, 68.2949 looks on a white background.

Color Contrast Check

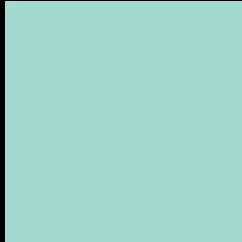
Large Text (above 18pt) WCAG AA × Fail

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 51.3852, 62.0232, 68.2949 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 51.3852, 62.0232, 68.2949

Background



This preview shows how black text looks on a background with the XYZ color 51.3852, 62.0232, 68.2949.

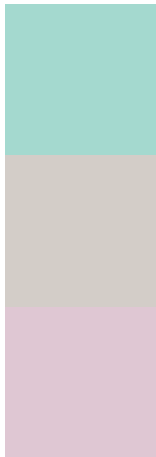


This preview shows how white text looks on a background with the XYZ color 51.3852, 62.0232,

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

51.3852, 62.0232, 68.2949

Protanopia

59.1206, 61.6817, 63.4333

Deuteranopia

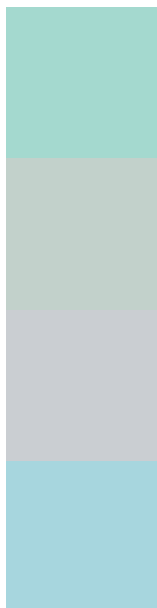
62.6127, 61.2380, 70.1481



Tritanopia

54.5802, 61.7930, 84.6519

Trichromacy



Original Color

51.3852, 62.0232, 68.2949

Protanomaly

55.8281, 61.3821, 65.4054

Deuteranomaly

58.0613, 61.3523, 69.7548

Tritanomaly

53.1677, 61.5826, 78.1916

Monochromacy



Original Color

51.3852, 62.0232, 68.2949

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

53.3443, 59.0192, 65.0802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3852, 62.0232, 68.2949 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(164, 217, 207)` looks like.

```
.text, #text, p{  
    color:rgb(164, 217, 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(164, 217, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 217, 207) }
```

Border

The CSS property to change the border of an element to XYZ 51.3852, 62.0232, 68.2949 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(164, 217, 207) }
```


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

```
.border{ border-color:rgb(164, 217, 207) }
```

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

Here you see how a box with a 4 pixel rgb(164, 217, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 217, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 217, 207);  
box-shadow:4px 4px 4px 4px rgb(164, 217,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3852, 62.0232, 68.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 217, 207) }
```

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

```
.background{ background-color: rgb(164,  
217, 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](#).

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