

Converting Colors

XYZ(49.4751, 58.1255, 64.3282)

Have a look what the booklet for
XYZ(49.4751, 58.1255, 64.3282)
contains.

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Color

**XYZ(49.6096, 58.1900,
64.4942)**

Conversions

Conversions Part 1

Format	Color
Hex	A8D1CA
RGB	168, 209, 202
RGB Percent	66%, 82%, 79%
CMY	0.3412, 0.1804, 0.2078
CMYK	0.20, 0.00, 0.03, 0.18
HSL	170°, 31%, 74%
HSV	170°, 20%, 82%
XYZ	49.6096, 58.1900, 64.4942
YIQ	195.9430, -22.1890, -10.8690

Conversions

Conversions Part 2

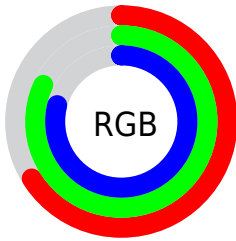
Format	Color
R_{YB}	168, 190, 209
Decimal	11063754
CIE _{Lab}	80.84, -14.86, -0.99
CIE _{LCh}	81, 14.891, 183.817
Yxy	58.1900, 0.2879, 0.3377
Android (android.graphics.Color)	4289253834 (0xFFA8D1CA)
YUV	195.9430, 2.9861, -24.5060
Hunter-Lab	76.2824, -17.4082, 3.2699

Details

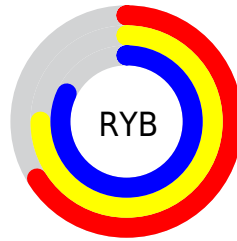
The XYZ color **49.6096, 58.1900, 64.4942** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.0371, 44.6573, 46.6479**, and the grayscale version is **52.4287, 55.1591, 60.0682**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **24.1369, 29.2256, 32.3859** is the 20% darker color. If you saturate the color by 10%, you get **45.0953, 55.9126, 62.1031**, and if you desaturate by 10%, it is **54.8521, 60.8448, 66.9729**.

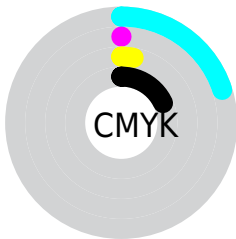
Distribution



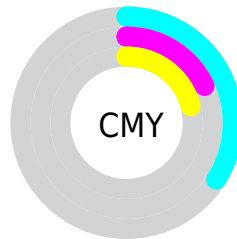
- Red (66%)
- Green (82%)
- Blue (79%)



- Red (66%)
- Yellow (75%)
- Blue (82%)



- Cyan (20%)
- Magenta (0%)
- Yellow (3%)
- Black (18%)





- Cyan (34%)
- Magenta (18%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6096, 58.1900, 64.4942 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 49.6096, 58.1900, 64.4942 by changing the saturation by 10% instead.

 49.6096, 58.1900,
64.4942


 49.6096, 58.1900,
64.4942


375.6145,
417.8935, 459.2285

 35.3198, 41.9614,
46.6023


 88.7915, 102.1995,
112.9287

 24.0770, 29.0711,
32.3693


 114.4143,
130.7492, 144.3083

 15.5158, 19.1346,
21.3766


144.5454,
164.1747, 181.0210

 9.2708, 11.7676,
13.2056

179.5504,
202.8605, 223.4852

 4.9768, 6.5856,
7.4379

219.7944,
247.1908, 272.1196

 2.2683, 3.2043,
3.6549

265.6428,

 0.7784, 1.2393,

297.5502, 327.3425

1.4380

317.4611,
354.3230, 389.5726

■ 0.0000, 0.0935,
0.1711

■ 0.0000, 0.0000,
0.0000

■ 49.6096, 58.1900,
64.4942

■ 49.6096, 58.1900,
64.4942

■ 45.0953, 55.9126,
62.1031

■ 54.8521, 60.8448,
66.9729

■ 41.2702, 53.9878,
59.7937

■ 60.8498, 63.8862,
69.5371

■ 38.0988, 52.3990,
57.5653

■ 67.6343, 67.3320,
72.1898

■ 35.5409, 51.1253,
55.4156

■ 75.2340, 71.1969,
74.9327

■ 33.5513, 50.1434,
53.3422

■ 76.9398, 72.0223,
77.4521

■ 32.0789, 49.4271,
51.3423

■ 77.4173, 72.2133,
79.9668

■ 31.0630, 48.9451,
49.4127

■ 77.9050, 72.4084,
82.5349

■ 30.3975, 48.6425,
47.5481

■ 78.4029, 72.6076,
85.1568

■ 30.3742, 48.6321,
47.4779

■ 78.9111, 72.8108,
87.8329

Harmonies

Analogous

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



50.1643, 58.1900, 56.1696



49.6096, 58.1900, 64.4942



50.5345, 58.1900, 73.2695

Triad

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



49.6096, 58.1900, 64.4942



58.6679, 58.1900, 78.5123



57.9609, 58.1900, 49.3316

Complementary

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



49.6096, 58.1900, 64.4942



48.0371, 44.6573, 46.6479

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.



60.3728, 58.1900, 54.3851



49.6096, 58.1900, 64.4942



60.7914, 58.1900, 71.1371

Square

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



49.6096, 58.1900, 64.4942



55.7028, 58.1900, 81.8231



61.4265, 58.1900, 62.2372



54.9148, 58.1900, 47.9052

Rectangle

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



49.6096, 58.1900, 64.4942



51.8865, 58.1900, 78.0500



61.4265, 58.1900, 62.2372



58.8764, 58.1900, 50.6378

Sweetspot

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



49.6113, 58.1924, 64.4955



89.2255, 97.0456, 106.4463



47.6656, 57.6044, 45.6534



18.9680, 20.7059, 22.7274



0.0000, 0.0000, 0.0000



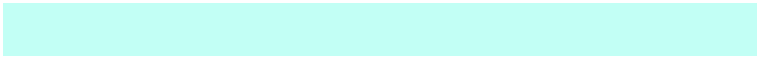
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6113, 58.1924, 64.4955



74.3693, 89.5279, 99.3855



47.4026, 52.4177, 67.9436



12.0681, 13.3710, 14.7148



18.7590, 29.9965, 29.4409



1.0724, 1.6866, 1.7697

Inverse Universe

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



48.0371, 44.6573, 46.6479



71.4167, 64.1264, 65.8991



49.8848, 49.4253, 43.9577



11.8900, 11.8407, 12.6964



16.4310, 8.4452, 1.9099



0.9447, 0.4826, 0.2435

Previews

White Background



This preview shows how the XYZ color 49.6096, 58.1900, 64.4942 looks on a white background.

Color Contrast Check

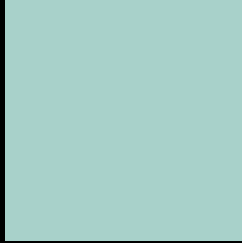
Large Text (above 18pt) WCAG AA × Fail

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 49.6096, 58.1900, 64.4942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

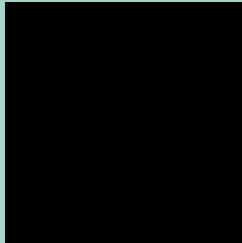
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

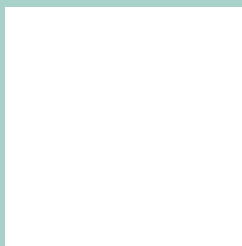
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6096, 58.1900, 64.4942

Background



This preview shows how black text looks on a background with the XYZ color 49.6096, 58.1900, 64.4942.



This preview shows how white text looks on a background with the XYZ color 49.6096, 58.1900,

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

49.6096, 58.1900, 64.4942

Protanopia

55.5641, 57.8115, 60.4547

Deuteranopia

58.9265, 57.7431, 65.7974



Tritanopia

52.2694, 58.1872, 77.5836

Trichromacy



Original Color

49.6096, 58.1900, 64.4942

Protanomaly

53.2872, 57.9956, 61.8118

Deuteranomaly

54.8757, 57.3486, 65.3039

Tritanomaly

51.3732, 58.1899, 72.8141

Monochromacy



Original Color

49.6096, 58.1900, 64.4942

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.3294, 56.2896, 61.5857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6096, 58.1900, 64.4942 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, 209, 202)` looks like.

```
.text, #text, p{  
    color:rgb(168, 209, 202)  
}
```

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, 209, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 209, 202) }
```

Border

The CSS property to change the border of an element to XYZ 49.6096, 58.1900, 64.4942 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, 209, 202) }
```


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

```
.border{ border-color:rgb(168, 209, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 209, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 209, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 209, 202);  
box-shadow:4px 4px 4px 4px rgb(168, 209,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6096, 58.1900, 64.4942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 209, 202) }
```

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

```
.background{ background-color: rgb(168,  
209, 202) }
```

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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