

Converting Colors

XYZ(51.0563, 59.8978, 67.7132)

Have a look what the booklet for
XYZ(51.0563, 59.8978, 67.7132)
contains.

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Color

**XYZ(51.1682, 60.0270,
67.9210)**

Conversions

Conversions Part 1

Format	Color
Hex	A9D4CF
RGB	169, 212, 207
RGB Percent	66%, 83%, 81%
CMY	0.3372, 0.1686, 0.1882
CMYK	0.20, 0.00, 0.02, 0.17
HSL	173°, 33%, 75%
HSV	173°, 20%, 83%
XYZ	51.1682, 60.0270, 67.9210
YIQ	198.5730, -24.0230, -10.6710

Conversions

Conversions Part 2

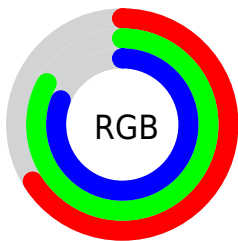
Format	Color
RYB	169, 192, 212
Decimal	11130063
CIELab	81.85, -15.03, -2.18
CIELCh	82, 15.190, 188.237
Yxy	60.0270, 0.2857, 0.3351
Android (android.graphics.Color)	4289320143 (0xFFA9D4CF)
YUV	198.5730, 4.1545, -25.9355
Hunter-Lab	77.4771, -17.6982, 2.2568

Details

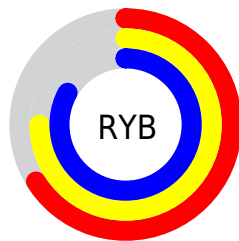
The XYZ color **51.1682, 60.0270, 67.9210** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.9815, 45.4307, 46.2344**, and the grayscale version is **54.0127, 56.8256, 61.8830**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **25.0092, 30.1269, 34.6339** is the 20% darker color. If you saturate the color by 10%, you get **46.6849, 57.7519, 66.1505**, and if you desaturate by 10%, it is **56.3971, 62.6891, 69.7536**.

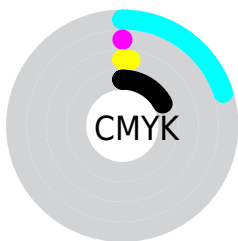
Distribution



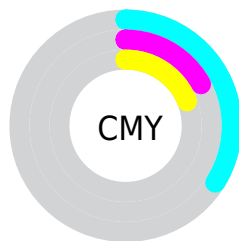
- Red (66%)
- Green (83%)
- Blue (81%)



- Red (66%)
- Yellow (75%)
- Blue (83%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (17%)



- Cyan (34%)
- Magenta (17%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1682, 60.0270, 67.9210 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 51.1682, 60.0270, 67.9210 by changing the saturation by 10% instead.

■ 51.1682, 60.0270,
67.9210

■ 51.1682, 60.0270,
67.9210

381.5938,
424.6973, 471.8065

■ 36.5641, 43.4404,
49.3672

■ 91.0849, 104.8688,
117.8923

■ 25.0423, 30.2308,
34.5432

117.1281,
133.8929, 150.1468

■ 16.2375, 20.0138,
23.0305

147.7151,
167.8315, 187.8053

■ 9.7843, 12.4051,
14.4105

183.2112,
207.0691, 231.2863

■ 5.3173, 7.0202,
8.2647

223.9818,
251.9901, 281.0084

■ 2.4713, 3.4747,
4.1746

270.3922,

■ 0.8808, 1.3843,

302.9788, 337.3901

1.7216

322.8077,
360.4198, 400.8500

■ 0.0000, 0.2051,
0.3755

■ 0.0000, 0.0000,
0.0000

■ 51.1682, 60.0270,
67.9210

■ 51.1682, 60.0270,
67.9210

■ 46.6849, 57.7519,
66.1505

■ 56.3971, 62.6891,
69.7536

■ 42.9065, 55.8381,
64.4361

■ 62.3996, 65.7478,
71.6458

■ 39.7964, 54.2683,
62.7775

■ 69.2084, 69.2217,
73.6005

■ 37.3123, 53.0207,
61.1724

■ 76.8531, 73.1259,
75.6193

■ 35.4074, 52.0711,
59.6185

■ 77.6147, 73.4812,
77.3410

■ 34.0282, 51.3919,
58.1133

■ 77.9426, 73.6123,
79.0675

■ 33.1109, 50.9504,
56.6536

■ 78.2753, 73.7454,
80.8195

■ 32.5506, 50.6916,
55.2736

■ 78.6129, 73.8804,
82.5970

■ 78.9553, 74.0174,
84.4002

Harmonies

Analogous

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



51.5185, 60.0270, 59.0298



51.1682, 60.0270, 67.9210



52.3479, 60.0270, 76.9052

Triad

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



51.1682, 60.0270, 67.9210



60.9545, 60.0270, 80.2291



59.3700, 60.0270, 50.2967

Complementary

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



51.1682, 60.0270, 67.9210



48.9815, 45.4307, 46.2344

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.



62.0338, 60.0270, 55.0308



51.1682, 60.0270, 67.9210



62.9722, 60.0270, 72.1256

Square

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



51.1682, 60.0270, 67.9210



57.9415, 60.0270, 84.4336



63.3744, 60.0270, 62.8626



56.1753, 60.0270, 49.3983

Rectangle

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



51.1682, 60.0270, 67.9210



53.8701, 60.0270, 81.5470



63.3744, 60.0270, 62.8626



60.3606, 60.0270, 51.4693

Sweetspot

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



51.1699, 60.0295, 67.9224



89.3581, 97.0987, 107.1446



48.1661, 58.9547, 46.3780



18.9994, 20.7185, 22.8929



0.0000, 0.0000, 0.0000



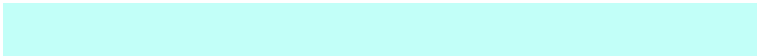
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1699, 60.0295, 67.9224



74.8815, 89.7328, 102.0829



47.8788, 52.4527, 69.8911



12.7271, 14.0818, 15.6432



20.1183, 31.3027, 34.2485



1.2315, 1.8952, 2.1607

Inverse Universe

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



48.9815, 45.4307, 46.2344



71.0205, 63.9679, 63.8128



51.7652, 51.7642, 44.8004



12.4814, 12.4441, 13.2095



16.8871, 8.6912, 1.4436



1.0386, 0.5322, 0.1928

Previews

White Background



This preview shows how the XYZ color 51.1682, 60.0270, 67.9210 looks on a white background.

Color Contrast Check

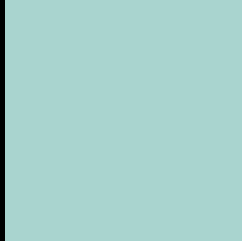
Large Text (above 18pt) WCAG AA × Fail

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 51.1682, 60.0270, 67.9210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

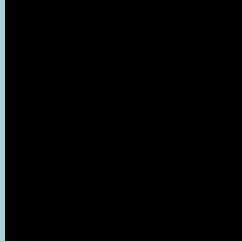
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1682, 60.0270, 67.9210

Background



This preview shows how black text looks on a background with the XYZ color 51.1682, 60.0270, 67.9210.



This preview shows how white text looks on a background with the XYZ color 51.1682, 60.0270,

67.9210.

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

51.1682, 60.0270, 67.9210

Protanopia

57.3953, 59.7235, 63.7611

Deuteranopia

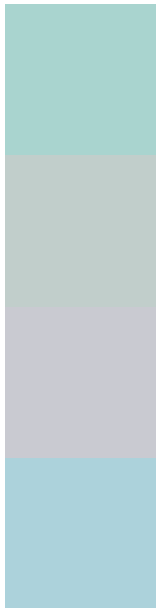
60.8125, 59.6457, 69.2804



Tritanopia

53.7615, 59.9762, 80.6945

Trichromacy



Original Color

51.1682, 60.0270, 67.9210

Protanomaly

54.8431, 59.7919, 65.1504

Deuteranomaly

56.7165, 59.2620, 68.7710

Tritanomaly

52.8460, 59.9783, 75.8095

Monochromacy



Original Color

51.1682, 60.0270, 67.9210

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

52.9926, 58.1414, 64.3065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1682, 60.0270, 67.9210 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, 212, 207)` looks like.

```
.text, #text, p{  
    color:rgb(169, 212, 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(169, 212, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 212, 207) }
```

Border

The CSS property to change the border of an element to XYZ 51.1682, 60.0270, 67.9210 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, 212, 207) }
```


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

```
.border{ border-color:rgb(169, 212, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 212, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 212, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 212, 207);  
box-shadow:4px 4px 4px 4px rgb(169, 212,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1682, 60.0270, 67.9210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 212, 207) }
```

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

```
.background{ background-color: rgb(169,  
212, 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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