

Converting Colors

XYZ(52.2102, 63.3765, 66.7743)

Have a look what the booklet for
XYZ(52.2102, 63.3765, 66.7743)
contains.

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Color

**XYZ(52.1670, 63.2382,
66.5834)**

Conversions

Conversions Part 1

Format	Color
Hex	A7DBCC
RGB	167, 219, 204
RGB Percent	65%, 86%, 80%
CMY	0.3451, 0.1412, 0.2000
CMYK	0.24, 0.00, 0.07, 0.14
HSL	163°, 42%, 76%
HSV	163°, 24%, 86%
XYZ	52.1670, 63.2382, 66.5834
YIQ	201.7420, -26.1770, -15.6890

Conversions

Conversions Part 2

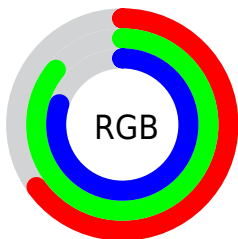
Format	Color
RYB	167, 197, 219
Decimal	11000780
CIELab	83.57, -19.79, 1.91
CIElCh	84, 19.886, 174.490
Yxy	63.2382, 0.2866, 0.3475
Android (android.graphics.Color)	4289190860 (0xFFA7DBCC)
YUV	201.7420, 1.1132, -30.4687
Hunter-Lab	79.5224, -22.0677, 6.0228

Details

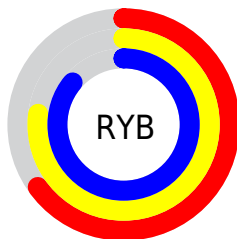
The XYZ color **52.1670, 63.2382, 66.5834** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.4779, 46.0767, 50.4393**, and the grayscale version is **55.9847, 58.9003, 64.1424**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **25.7199, 32.3303, 33.7390** is the 20% darker color. If you saturate the color by 10%, you get **47.1842, 60.7570, 62.4751**, and if you desaturate by 10%, it is **57.9676, 66.1408, 70.8932**.

Distribution



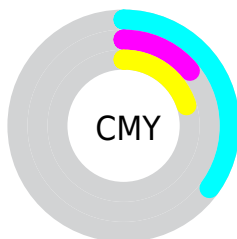
- Red (65%)
- Green (86%)
- Blue (80%)



- Red (65%)
- Yellow (77%)
- Blue (86%)



- Cyan (24%)
- Magenta (0%)
- Yellow (7%)
- Black (14%)



- Cyan (35%)
- Magenta (14%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1670, 63.2382, 66.5834 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 52.1670, 63.2382, 66.5834 by changing the saturation by 10% instead.

■ 52.1670, 63.2382,
66.5834

■ 52.1670, 63.2382,
66.5834

385.3944,
436.4334, 466.9215

■ 37.3630, 46.0339,
48.2867

■ 92.5503, 109.5131,
115.9582

■ 25.6636, 32.2726,
33.6924

■ 118.8602,
139.3525, 147.8734

■ 16.7035, 21.5698,
22.3819

149.7362,
174.1724, 185.1652

■ 10.1173, 13.5411,
13.9368

185.5437,
214.3572, 228.2521

■ 5.5397, 7.8022,
7.9385

226.6478,
260.2914, 277.5526

■ 2.6052, 3.9687,
3.9684

273.4141,

■ 0.9486, 1.6560,

312.3592, 333.4853

1.6080

326.2078,
370.9451, 396.4688

■ 0.0000, 0.3949,
0.2965

■ 0.0000, 0.0000,
0.0000

■ 52.1670, 63.2382,
66.5834

■ 52.1670, 63.2382,
66.5834

■ 47.1842, 60.7570,
62.4751

■ 57.9676, 66.1408,
70.8932

■ 42.9741, 58.6688,
58.5602

■ 64.6177, 69.4761,
75.4038

■ 39.4951, 56.9542,
54.8363

■ 72.1537, 73.2645,
80.1200

■ 36.6997, 55.5885,
51.2991

■ 80.6085, 77.5229,
85.0452

■ 34.5345, 54.5443,
47.9442

■ 81.6540, 77.9579,
89.7914

■ 32.9376, 53.7898,
44.7667

■ 82.5865, 78.3309,
94.7017

■ 31.8344, 53.2864,
41.7610

■ 83.5517, 78.7170,
99.7847

■ 31.3182, 53.0596,
39.9637

■ 84.5501, 79.1163,
105.0420

■ 84.6227, 79.1454,
105.4242

Harmonies

Analogous

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



53.5580, 63.2382, 55.8708



52.1670, 63.2382, 66.5834



52.8185, 63.2382, 79.2589

Triad

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



52.1670, 63.2382, 66.5834



63.6365, 63.2382, 93.0082



65.0910, 63.2382, 51.1562

Complementary

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



52.1670, 63.2382, 66.5834



51.4779, 46.0767, 50.4393

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.



68.0348, 63.2382, 59.4050



52.1670, 63.2382, 66.5834



67.1671, 63.2382, 83.7109

Square

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



52.1670, 63.2382, 66.5834



59.3073, 63.2382, 95.5260



68.8122, 63.2382, 71.1790



60.9119, 63.2382, 47.6781

Rectangle

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



52.1670, 63.2382, 66.5834



54.3404, 63.2382, 87.0228



68.8122, 63.2382, 71.1790



66.2657, 63.2382, 53.4111

Sweetspot

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



52.1688, 63.2408, 66.5848



87.9670, 96.4431, 104.2984



51.7421, 63.4741, 46.0850



18.7040, 20.5803, 22.2407



0.0000, 0.0000, 0.0000



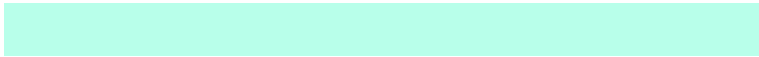
20.3446, 21.4041, 23.3091

Same Dimension

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



52.1688, 63.2408, 66.5848



70.3404, 87.6246, 91.3500



51.4270, 58.7373, 75.6478



13.2764, 14.7622, 15.9183



18.6190, 31.4802, 23.9566



1.2428, 2.0541, 1.7448

Inverse Universe

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



51.4779, 46.0767, 50.4393



69.2205, 59.7442, 65.1356



51.9918, 49.4545, 43.3658



13.2098, 13.1130, 14.3658



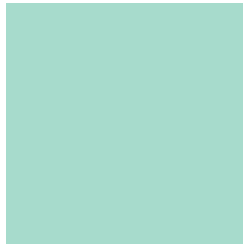
17.8985, 9.1604, 3.8454



1.1964, 0.6082, 0.4434

Previews

White Background



This preview shows how the XYZ color 52.1670, 63.2382, 66.5834 looks on a white background.

Color Contrast Check

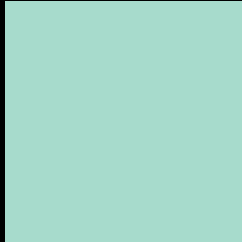
Large Text (above 18pt) WCAG AA × Fail

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 52.1670, 63.2382, 66.5834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

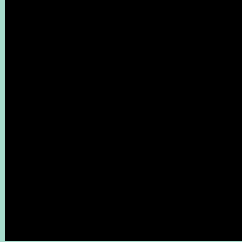
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

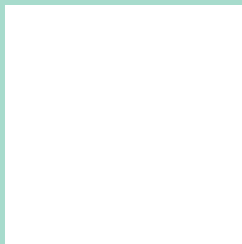
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.1670, 63.2382, 66.5834

Background



This preview shows how black text looks on a background with the XYZ color 52.1670, 63.2382, 66.5834.

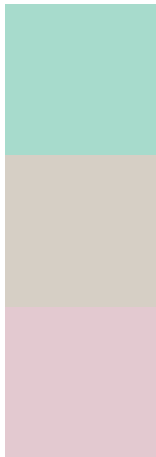


This preview shows how white text looks on a background with the XYZ color 52.1670, 63.2382, 66.5834.

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

52.1670, 63.2382, 66.5834

Protanopia

60.1224, 62.9530, 61.8057

Deuteranopia

63.9504, 62.6582, 68.3982



Tritanopia

56.0995, 63.3113, 85.6075

Trichromacy



Original Color

52.1670, 63.2382, 66.5834

Protanomaly

56.7456, 62.6290, 63.7414

Deuteranomaly

58.9952, 62.5959, 68.0043

Tritanomaly

54.5353, 63.0436, 78.4016

Monochromacy



Original Color

52.1670, 63.2382, 66.5834

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

54.3216, 60.2424, 65.2648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1670, 63.2382, 66.5834 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(167, 219, 204)` looks like.

```
.text, #text, p{  
    color:rgb(167, 219, 204)  
}
```

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(167, 219, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 219, 204) }
```

Border

The CSS property to change the border of an element to XYZ 52.1670, 63.2382, 66.5834 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(167, 219, 204) }
```


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

```
.border{ border-color:rgb(167, 219, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 219, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 219, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 219, 204);  
box-shadow:4px 4px 4px 4px rgb(167, 219,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1670, 63.2382, 66.5834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 219, 204) }
```

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

```
.background{ background-color: rgb(167,  
219, 204) }
```

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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