

Converting Colors

XYZ(52.1975, 67.2140, 57.5797)

Have a look what the booklet for
XYZ(52.1975, 67.2140, 57.5797)
contains.

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Color

**XYZ(52.1303, 67.0102,
57.7636)**

Conversions

Conversions Part 1

Format	Color
Hex	A4E4BC
RGB	164, 228, 188
RGB Percent	64%, 89%, 74%
CMY	0.3569, 0.1059, 0.2627
CMYK	0.28, 0.00, 0.18, 0.11
HSL	142°, 54%, 77%
HSV	142°, 28%, 89%
XYZ	52.1303, 67.0102, 57.7636
YIQ	204.3040, -25.3040, -26.0080

Conversions

Conversions Part 2

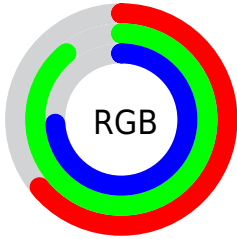
Format	Color
RYB	164, 211, 228
Decimal	10806460
CIELab	85.51, -28.26, 13.11
CIElCh	86, 31.152, 155.112
Yxy	67.0102, 0.2947, 0.3788
Android (android.graphics.Color)	4288996540 (0xFFA4E4BC)
YUV	204.3040, -8.0379, -35.3466
Hunter-Lab	81.8598, -29.5814, 15.4644

Details

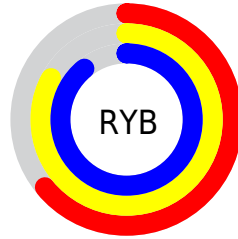
The XYZ color **52.1303, 67.0102, 57.7636** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.1717, 47.4060, 63.3192**, and the grayscale version is **57.6490, 60.6512, 66.0492**.

A 20% lighter version of the original color is **81.6043, 93.2673, 99.2893**, and **25.5561, 34.5693, 28.2473** is the 20% darker color. If you saturate the color by 10%, you get **46.3791, 64.2161, 49.8678**, and if you desaturate by 10%, it is **58.8804, 70.3055, 66.5009**.

Distribution



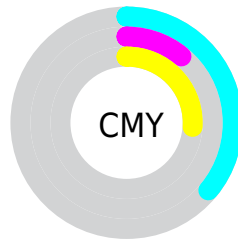
- Red (64%)
- Green (89%)
- Blue (74%)



- Red (64%)
- Yellow (83%)
- Blue (89%)



- Cyan (28%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)





- Cyan (36%)
- Magenta (11%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1303, 67.0102, 57.7636 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 52.1303, 67.0102, 57.7636 by changing the saturation by 10% instead.


 52.1303, 67.0102,
57.7636

 52.1303, 67.0102,
57.7636


385.2551,
449.9811, 433.8781

 37.3336, 49.0929,
41.2052


 92.4965, 114.9350,
103.0899

 25.6408, 34.6932,
28.1585


 118.7967,
145.7114, 132.6949

 16.6864, 23.4266,
18.2051

149.6621,
181.5428, 167.4858

 10.1050, 14.9088,
10.9264

185.4581,
222.8138, 207.8811

 5.5315, 8.7554,
5.9038

226.5501,
269.9088, 254.2995

 2.6003, 4.5820,
2.7188

273.3033,

 0.9461, 2.0042,

323.2120, 307.1594

0.9529

326.0832,
383.1080, 366.8795

■ 0.0000, 0.6099,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.1303, 67.0102,
57.7636

■ 52.1303, 67.0102,
57.7636

■ 46.3791, 64.2161,
49.8678

■ 58.8804, 70.3055,
66.5009

■ 41.5720, 61.8897,
42.7839

■ 66.6698, 74.1167,
76.0993

■ 37.6567, 60.0066,
36.4870

■ 75.5433, 78.4683,
86.5833

■ 34.5739, 58.5367,
30.9490

■ 85.4668, 83.3422,
97.9716

■ 32.2562, 57.4460,
26.1404

■ 87.0347, 83.9694,
106.2282

■ 30.6250, 56.6944,
22.0293

■ 29.5715, 56.2265,
18.5806

■ 29.4043, 56.1533,
17.9875

Harmonies

Analogous

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



56.1825, 67.0102, 45.5067



52.1303, 67.0102, 57.7636



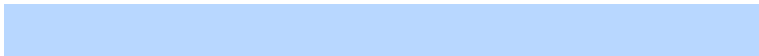
51.0793, 67.0102, 76.4896

Triad

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



52.1303, 67.0102, 57.7636



64.9111, 67.0102, 119.0555



75.4805, 67.0102, 52.7691

Complementary

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



52.1303, 67.0102, 57.7636



56.1717, 47.4060, 63.3192

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.



78.2249, 67.0102, 69.5459



52.1303, 67.0102, 57.7636



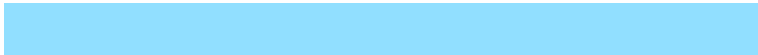
71.8408, 67.0102, 109.7001

Square

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



52.1303, 67.0102, 57.7636



58.1358, 67.0102, 114.3196



76.8462, 67.0102, 90.6184



69.5897, 67.0102, 43.0192

Rectangle

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



52.1303, 67.0102, 57.7636



52.1500, 67.0102, 90.7779



76.8462, 67.0102, 90.6184



76.8207, 67.0102, 57.6455

Sweetspot

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



52.1321, 67.0130, 57.7651



85.9536, 95.5400, 98.1120



59.4949, 71.0832, 45.7073



18.0533, 20.2808, 20.5835



0.0000, 0.0000, 0.0000



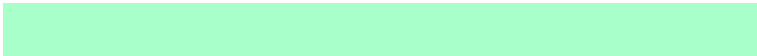
20.3446, 21.4041, 23.3091

Same Dimension

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



52.1321, 67.0130, 57.7651



62.4928, 84.0860, 68.0786



55.9031, 68.5214, 77.6229



14.4117, 16.1781, 16.4330



17.0312, 32.4446, 10.6648



1.3024, 2.4151, 1.0192

Inverse Universe

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



56.1717, 47.4060, 63.3192



68.5485, 54.6763, 76.3918



52.7700, 46.0453, 45.4061



14.7539, 14.5188, 16.9046



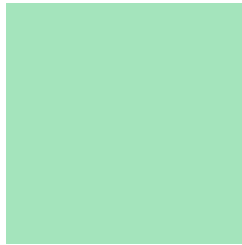
21.3755, 10.6844, 16.1382



1.6243, 0.8074, 1.4279

Previews

White Background



This preview shows how the XYZ color 52.1303, 67.0102, 57.7636 looks on a white background.

Color Contrast Check

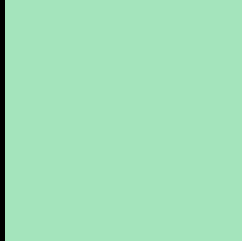
Large Text (above 18pt) WCAG AA × Fail

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 52.1303, 67.0102, 57.7636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

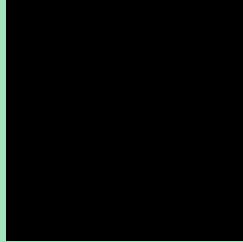
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.1303, 67.0102, 57.7636

Background



This preview shows how black text looks on a background with the XYZ color 52.1303, 67.0102, 57.7636.



This preview shows how white text looks on a background with the XYZ color 52.1303, 67.0102,

57.7636.

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

52.1303, 67.0102, 57.7636

Protanopia

62.5222, 66.2295, 52.6683

Deuteranopia

67.7326, 66.2137, 59.6627



Tritanopia

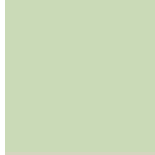
58.8920, 66.9436, 91.4788

Trichromacy



Original Color

52.1303, 67.0102, 57.7636



Protanomaly

57.9758, 66.1183, 54.5062



Deuteranomaly

60.6388, 65.4962, 58.7362



Tritanomaly

56.1515, 67.0247, 77.6877

Monochromacy



Original Color

52.1303, 67.0102, 57.7636



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.9736, 62.4845, 62.5894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1303, 67.0102, 57.7636 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, 228, 188)` looks like.

```
.text, #text, p{  
    color:rgb(164, 228, 188)  
}
```

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, 228, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 228, 188) }
```

Border

The CSS property to change the border of an element to XYZ 52.1303, 67.0102, 57.7636 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, 228, 188) }
```


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

```
.border{ border-color:rgb(164, 228, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 228, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 228, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 228, 188); box-shadow:4px 4px 4px 4px rgb(164, 228, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1303, 67.0102, 57.7636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 228, 188) }
```

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

```
.background{ background-color: rgb(164,  
228, 188) }
```

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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