

Converting Colors

XYZ(52.6458, 67.8006, 61.9948)

Have a look what the booklet for
XYZ(52.6458, 67.8006, 61.9948)
contains.

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Color

**XYZ(52.8451, 68.1108,
61.9912)**

Conversions

Conversions Part 1

Format	Color
Hex	A1E6C3
RGB	161, 230, 195
RGB Percent	63%, 90%, 76%
CMY	0.3686, 0.0980, 0.2353
CMYK	0.30, 0.00, 0.15, 0.10
HSL	150°, 58%, 77%
HSV	150°, 30%, 90%
XYZ	52.8451, 68.1108, 61.9912
YIQ	205.3790, -29.8890, -25.5130

Conversions

Conversions Part 2

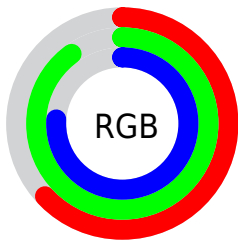
Format	Color
RYB	161, 207, 230
Decimal	10610371
CIELab	86.06, -28.78, 10.21
CIElCh	86, 30.535, 160.474
Yxy	68.1108, 0.2889, 0.3723
Android (android.graphics.Color)	4288800451 (0xFFA1E6C3)
YUV	205.3790, -5.1168, -38.9204
Hunter-Lab	82.5293, -30.1292, 13.2353

Details

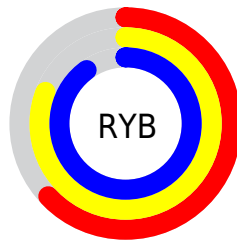
The XYZ color **52.8451, 68.1108, 61.9912** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55.3442, 46.3000, 58.2473**, and the grayscale version is **58.3164, 61.3534, 66.8138**.

A 20% lighter version of the original color is **81.9460, 93.3000, 105.7851**, and **26.0072, 35.3210, 30.6462** is the 20% darker color. If you saturate the color by 10%, you get **47.3617, 65.4324, 55.1159**, and if you desaturate by 10%, it is **59.2879, 71.2756, 69.4524**.

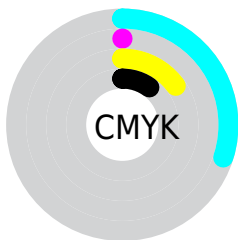
Distribution



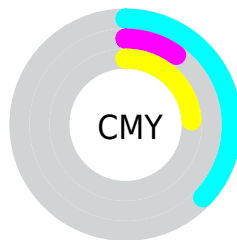
- Red (63%)
- Green (90%)
- Blue (76%)



- Red (63%)
- Yellow (81%)
- Blue (90%)



- Cyan (30%)
- Magenta (0%)
- Yellow (15%)
- Black (10%)





- Cyan (37%)
- Magenta (10%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8451, 68.1108, 61.9912 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 52.8451, 68.1108, 61.9912 by changing the saturation by 10% instead.


 52.8451, 68.1108,
61.9912


 52.8451, 68.1108,
61.9912


387.9611,
453.8885, 449.9058

 37.9061, 49.9879,
44.5898


 93.5433, 116.5106,
109.2843

 26.0867, 35.4038,
30.7939


 120.0332,
147.5563, 140.0131

 17.0215, 23.9741,
20.1848


151.1041,
183.6784, 176.0215

 10.3452, 15.3144,
12.3440

187.1213,
225.2613, 217.7280

 5.6925, 9.0403,
6.8531

228.4503,
272.6894, 265.5511

 2.6979, 4.7675,
3.2933

275.4564,

 0.9961, 2.1115,

326.3470, 319.9094

1.2463

328.5049,
386.6185, 381.2214

■ 0.0000, 0.6711,
0.0172

■ 0.0000, 0.0000,
0.0000

■ 52.8451, 68.1108,
61.9912

■ 52.8451, 68.1108,
61.9912

■ 47.3617, 65.4324,
55.1159

■ 59.2879, 71.2756,
69.4524

■ 42.7829, 63.2068,
48.8075

■ 66.7300, 74.9415,
77.5090

■ 39.0569, 61.4095,
43.0522

■ 75.2158, 79.1331,
86.1758

■ 36.1240, 60.0100,
37.8342

■ 84.7852, 83.8706,
95.4658

■ 33.9161, 58.9735,
33.1365

■ 87.3217, 84.9696,
105.0101

■ 32.3529, 58.2589,
28.9411

■ 87.5881, 85.0761,
106.4127

■ 31.2973, 57.7958,
25.2267

Harmonies

Analogous

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



56.3754, 68.1108, 48.4988



52.8451, 68.1108, 61.9912



52.3656, 68.1108, 81.4032

Triad

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



52.8451, 68.1108, 61.9912



67.2189, 68.1108, 118.9713



75.5429, 68.1108, 51.8178

Complementary

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



52.8451, 68.1108, 61.9912



55.3442, 46.3000, 58.2473

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.



78.9185, 68.1108, 67.3618



52.8451, 68.1108, 61.9912



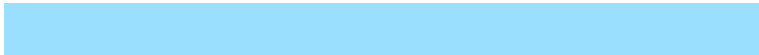
73.8877, 68.1108, 107.5768

Square

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



52.8451, 68.1108, 61.9912



60.3354, 68.1108, 116.8233



78.2918, 68.1108, 87.8278



69.3483, 68.1108, 43.4009

Rectangle

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



52.8451, 68.1108, 61.9912



53.8002, 68.1108, 95.5142



78.2918, 68.1108, 87.8278



77.0644, 68.1108, 56.2541

Sweetspot

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



52.8470, 68.1136, 61.9927



85.2868, 95.1769, 98.9538



57.6666, 70.9930, 44.3829



17.9391, 20.2160, 20.8488



0.0000, 0.0000, 0.0000



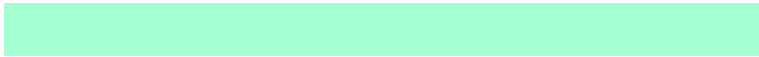
20.3446, 21.4041, 23.3091

Same Dimension

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



52.8470, 68.1136, 61.9927



62.3437, 83.9031, 72.8631



57.1190, 69.8224, 84.4888



14.4839, 16.2070, 16.8129



17.7796, 32.7439, 14.6054



1.3607, 2.4384, 1.3260

Inverse Universe

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



55.3442, 46.3000, 58.2473



65.9766, 52.1670, 67.4127



51.9149, 44.9283, 40.1892



14.6805, 14.4894, 16.5181



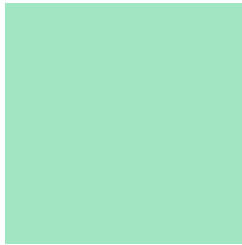
20.3439, 10.2718, 10.7059



1.5503, 0.7778, 1.0381

Previews

White Background



This preview shows how the XYZ color 52.8451, 68.1108, 61.9912 looks on a white background.

Color Contrast Check

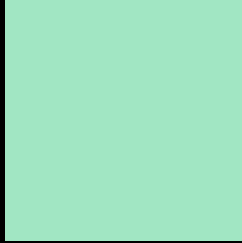
Large Text (above 18pt) WCAG AA × Fail

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 52.8451, 68.1108, 61.9912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

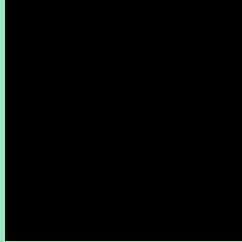
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.8451, 68.1108, 61.9912

Background



This preview shows how black text looks on a background with the XYZ color 52.8451, 68.1108, 61.9912.

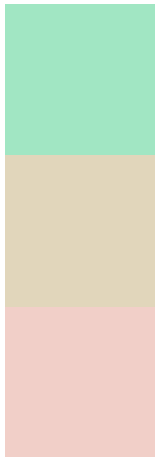


This preview shows how white text looks on a background with the XYZ color 52.8451, 68.1108,

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

52.8451, 68.1108, 61.9912

Protanopia

64.0675, 67.6885, 56.7022

Deuteranopia

69.0138, 67.4966, 64.0343



Tritanopia

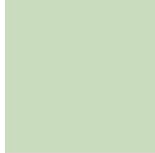
59.0594, 67.7842, 93.1900

Trichromacy



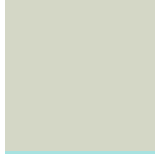
Original Color

52.8451, 68.1108, 61.9912



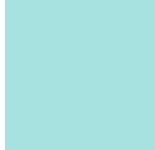
Protanomaly

59.2446, 67.4607, 58.6139



Deuteranomaly

61.6449, 66.6751, 63.0466



Tritanomaly

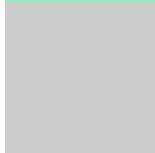
56.5873, 67.9900, 80.6619

Monochromacy



Original Color

52.8451, 68.1108, 61.9912



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

55.5754, 63.1290, 64.5143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8451, 68.1108, 61.9912 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(161, 230, 195)` looks like.

```
.text, #text, p{  
    color:rgb(161, 230, 195)  
}
```

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(161, 230, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 230, 195) }
```

Border

The CSS property to change the border of an element to XYZ 52.8451, 68.1108, 61.9912 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(161, 230, 195) }
```


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

```
.border{ border-color:rgb(161, 230, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 230, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 230, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 230, 195);  
box-shadow:4px 4px 4px 4px rgb(161, 230,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8451, 68.1108, 61.9912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 230, 195) }
```

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

```
.background{ background-color: rgb(161,  
230, 195) }
```

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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