

Converting Colors

XYZ(52.9520, 68.6326, 66.7391)

Have a look what the booklet for
XYZ(52.9520, 68.6326, 66.7391)
contains.

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Color

**XYZ(52.8730, 68.4322,
66.9219)**

Conversions

Conversions Part 1

Format	Color
Hex	9BE7CB
RGB	155, 231, 203
RGB Percent	61%, 91%, 80%
CMY	0.3921, 0.0941, 0.2039
CMYK	0.33, 0.00, 0.12, 0.09
HSL	158°, 61%, 76%
HSV	158°, 33%, 91%
XYZ	52.8730, 68.4322, 66.9219
YIQ	205.0840, -36.3080, -24.8200

Conversions

Conversions Part 2

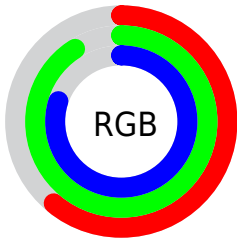
Format	Color
RYB	155, 202, 231
Decimal	10217419
CIELab	86.22, -29.40, 6.20
CIELCh	86, 30.044, 168.092
Yxy	68.4322, 0.2809, 0.3636
Android (android.graphics.Color)	4288407499 (0xFF9BE7CB)
YUV	205.0840, -1.0274, -43.9237
Hunter-Lab	82.7238, -30.6781, 9.9422

Details

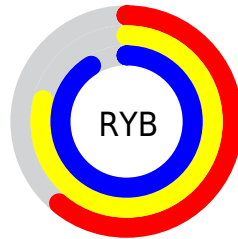
The XYZ color **52.8730, 68.4322, 66.9219** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.2260, 43.8523, 50.4617**, and the grayscale version is **58.1062, 61.1322, 66.5730**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **26.1216, 35.5966, 33.9278** is the 20% darker color. If you saturate the color by 10%, you get **47.8704, 65.9691, 61.5385**, and if you desaturate by 10%, it is **58.7832, 71.3604, 72.6415**.

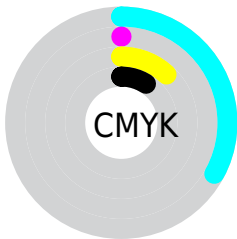
Distribution



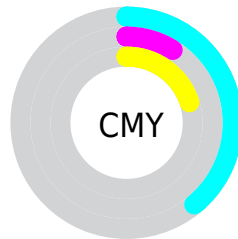
- Red (61%)
- Green (91%)
- Blue (80%)



- Red (61%)
- Yellow (79%)
- Blue (91%)



- Cyan (33%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)





- Cyan (39%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8730, 68.4322, 66.9219 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 52.8730, 68.4322, 66.9219 by changing the saturation by 10% instead.


 52.8730, 68.4322,
66.9219

 52.8730, 68.4322,
66.9219


388.0665,
455.0258, 468.1606

 37.9285, 50.2494,
48.5600


 93.5841, 116.9702,
116.4481

 26.1041, 35.6116,
33.9074

 120.0814,
148.0943, 148.4494

 17.0347, 24.1344,
22.5457


151.1603,
184.3009, 185.8343

 10.3547, 15.4333,
14.0563

187.1861,
225.9744, 229.0212

 5.6988, 9.1241,
8.0206

228.5243,
273.4992, 278.4288

 2.7017, 4.8222,
4.0202

275.5402,


 0.9981, 2.1433,


327.2598, 334.4755


1.6364


328.5992,
387.6406, 397.5800


 0.0000, 0.6888,
0.3166


 0.0000, 0.0000,
0.0000

 52.8730, 68.4322,
66.9219


 52.8730, 68.4322,
66.9219


 47.8704, 65.9691,
61.5385


 58.7832, 71.3604,
72.6415


 43.7202, 63.9372,
56.4795

 65.6408, 74.7686,
78.6992

 40.3700, 62.3116,
51.7395

 73.4900, 78.6814,
85.1029

 37.7590, 61.0609,
47.3105

 82.3706, 83.1192,
91.8589

■ 35.8171, 60.1491,
43.1844

■ 86.3840, 85.0410,
98.6953

■ 34.4598, 59.5328,
39.3521

■ 87.7177, 85.5745,
105.7186

■ 33.7570, 59.2262,
36.8025

■ 87.8671, 85.6343,
106.5057

Harmonies

Analogous

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



55.6346, 68.4322, 51.8471



52.8730, 68.4322, 66.9219



53.1973, 68.4322, 86.9823

Triad

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



52.8730, 68.4322, 66.9219



69.2629, 68.4322, 116.9190



74.3407, 68.4322, 49.5976

Complementary

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



52.8730, 68.4322, 66.9219



53.2260, 43.8523, 50.4617

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.



78.5277, 68.4322, 63.2927



52.8730, 68.4322, 66.9219



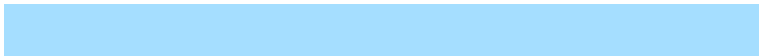
75.4559, 68.4322, 102.9709

Square

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



52.8730, 68.4322, 66.9219



62.3359, 68.4322, 118.3618



78.9498, 68.4322, 82.6533



67.8269, 68.4322, 43.0989

Rectangle

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



52.8730, 68.4322, 66.9219



55.1231, 68.4322, 100.5787



78.9498, 68.4322, 82.6533



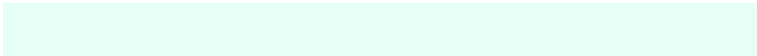
76.0863, 68.4322, 53.3881

Sweetspot

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



52.8749, 68.4350, 66.9235



84.8068, 94.8899, 100.7167



54.2937, 69.7282, 41.6088



17.8660, 20.1678, 21.3189



0.0000, 0.0000, 0.0000



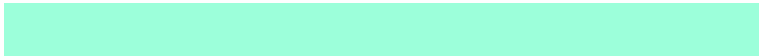
20.3446, 21.4041, 23.3091

Same Dimension

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



52.8749, 68.4350, 66.9235



62.0852, 83.6238, 79.4442



54.1003, 65.0542, 85.3099



14.5704, 16.2416, 17.2683



18.9856, 33.2264, 20.9565



1.4474, 2.4731, 1.7825

Inverse Universe

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



53.2260, 43.8523, 50.4617



62.5888, 48.7005, 56.0822



52.1251, 45.8605, 37.1161



14.5954, 14.4554, 16.0700



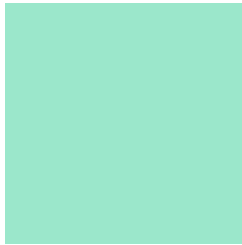
19.4516, 9.9148, 6.0070



1.4810, 0.7501, 0.6735

Previews

White Background



This preview shows how the XYZ color 52.8730, 68.4322, 66.9219 looks on a white background.

Color Contrast Check

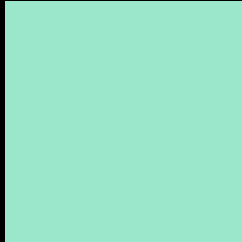
Large Text (above 18pt) WCAG AA × Fail

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 52.8730, 68.4322, 66.9219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

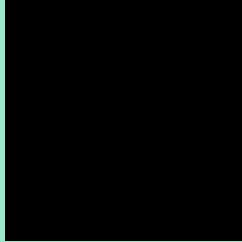
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

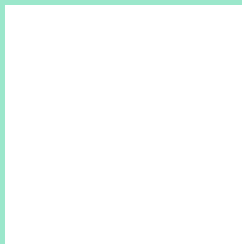
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.8730, 68.4322, 66.9219

Background



This preview shows how black text looks on a background with the XYZ color 52.8730, 68.4322, 66.9219.

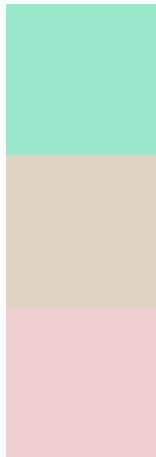


This preview shows how white text looks on a background with the XYZ color 52.8730, 68.4322,

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

52.8730, 68.4322, 66.9219

Protanopia

64.2156, 67.6762, 60.7172

Deuteranopia

69.2009, 67.8430, 69.1222



Tritanopia

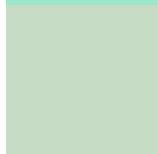
58.4127, 68.2140, 94.8820

Trichromacy



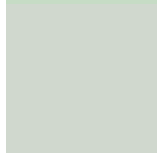
Original Color

52.8730, 68.4322, 66.9219



Protanomaly

58.9599, 67.2234, 62.6912



Deuteranomaly

61.7089, 66.9779, 68.0681



Tritanomaly

56.1706, 68.1167, 83.5861

Monochromacy



Original Color

52.8730, 68.4322, 66.9219



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

55.4392, 63.0176, 66.3684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8730, 68.4322, 66.9219 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(155, 231, 203)` looks like.

```
.text, #text, p{  
    color:rgb(155, 231, 203)  
}
```

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(155, 231, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 231, 203) }
```

Border

The CSS property to change the border of an element to XYZ 52.8730, 68.4322, 66.9219 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(155, 231, 203) }
```


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

```
.border{ border-color:rgb(155, 231, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 231, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 231, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 231, 203);  
box-shadow:4px 4px 4px 4px rgb(155, 231,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8730, 68.4322, 66.9219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 231, 203) }
```

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

```
.background{ background-color: rgb(155,  
231, 203) }
```

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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