

Converting Colors

XYZ(49.4327, 65.8248, 65.8100)

Have a look what the booklet for
XYZ(49.4327, 65.8248, 65.8100)
contains.

XYZ(49.4952, 65.8783, 65.9842)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.4952, 65.8783,
65.9842)**

Conversions

Conversions Part 1

Format	Color
Hex	8CE5CA
RGB	140, 229, 202
RGB Percent	55%, 90%, 79%
CMY	0.4510, 0.1019, 0.2078
CMYK	0.39, 0.00, 0.12, 0.10
HSL	162°, 63%, 72%
HSV	162°, 39%, 90%
XYZ	49.4952, 65.8783, 65.9842
YIQ	199.3110, -44.3770, -27.2650

Conversions

Conversions Part 2

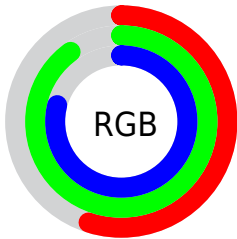
Format	Color
RYB	140, 192, 229
Decimal	9233866
CIELab	84.93, -32.80, 4.78
CIELCh	85, 33.143, 171.713
Yxy	65.8783, 0.2729, 0.3633
Android (android.graphics.Color)	4287423946 (0xFF8CE5CA)
YUV	199.3110, 1.3257, -52.0157
Hunter-Lab	81.1654, -33.1891, 8.6155

Details

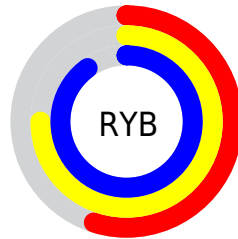
The XYZ color **49.4952, 65.8783, 65.9842** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.6685, 38.2060, 41.3712**, and the grayscale version is **54.4896, 57.3273, 62.4295**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **24.0352, 33.9566, 33.3045** is the 20% darker color. If you saturate the color by 10%, you get **45.2268, 63.7725, 61.5873**, and if you desaturate by 10%, it is **54.6073, 68.4182, 70.6168**.

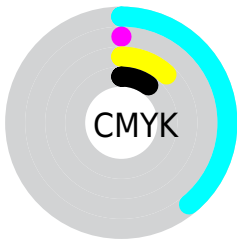
Distribution



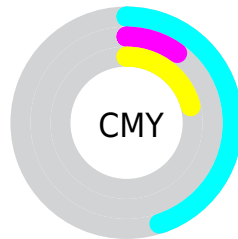
- Red (55%)
- Green (90%)
- Blue (79%)



- Red (55%)
- Yellow (75%)
- Blue (90%)



- Cyan (39%)
- Magenta (0%)
- Yellow (12%)
- Black (10%)





- Cyan (45%)
- Magenta (10%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4952, 65.8783, 65.9842 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 49.4952, 65.8783, 65.9842 by changing the saturation by 10% instead.


 49.4952, 65.8783,
65.9842


 49.4952, 65.8783,
65.9842


375.1733,
445.9415, 464.7230

 35.2286, 48.1736,
47.8032


 88.6228, 113.3116,
115.0904

 24.0064, 33.9644,
33.3122


 114.2145,
143.8091, 146.8527

 15.4631, 22.8662,
22.0926


144.3120,
179.3396, 183.9792

 9.2335, 14.4948,
13.7260

179.2806,
220.2875, 226.8884

 4.9521, 8.4656,
7.7938

219.4857,
267.0373, 275.9988

 2.2537, 4.3943,
3.8774

265.2926,

 0.7708, 1.8965,

319.9733, 331.7291

1.5583

317.0667,
379.4799, 394.4976

■ 0.0000, 0.5463,
0.2608

■ 0.0000, 0.0000,
0.0000

■ 49.4952, 65.8783,
65.9842

■ 49.4952, 65.8783,
65.9842

■ 45.2268, 63.7725,
61.5873

■ 54.6073, 68.4182,
70.6168

■ 41.7458, 62.0667,
57.4167

■ 60.6039, 71.4080,
75.4852

■ 38.9979, 60.7346,
53.4688

■ 67.5298, 74.8725,
80.5953

■ 36.9189, 59.7433,
49.7378

■ 75.4248, 78.8322,
85.9515

■ 35.4332, 59.0537,
46.2176

■ 84.3268, 83.3064,
91.5577

■ 34.4257, 58.6068,
42.9000

■ 85.5424, 83.8137,
97.0095

■ 34.3242, 58.5624,
42.5352

■ 86.6158, 84.2430,
102.6622

■ 87.3104, 84.5209,
106.3201

Harmonies

Analogous

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



52.0412, 65.8783, 49.2157



49.4952, 65.8783, 65.9842



50.2392, 65.8783, 87.9861

Triad

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



49.4952, 65.8783, 65.9842



68.0602, 65.8783, 116.9402



71.9070, 65.8783, 44.1307

Complementary

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



49.4952, 65.8783, 65.9842



48.6685, 38.2060, 41.3712

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.



76.8734, 65.8783, 57.6111



49.4952, 65.8783, 65.9842



74.5328, 65.8783, 100.2378

Square

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



49.4952, 65.8783, 65.9842



60.5755, 65.8783, 120.4093



77.8705, 65.8783, 77.8006



64.7005, 65.8783, 38.3378

Rectangle

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



49.4952, 65.8783, 65.9842



52.5290, 65.8783, 102.6028



77.8705, 65.8783, 77.8006



73.9167, 65.8783, 47.7696

Sweetspot

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



49.4970, 65.8810, 65.9857



83.2156, 94.0677, 100.7315



48.9425, 66.2798, 35.0258



17.5591, 20.0080, 21.3763



0.0000, 0.0000, 0.0000



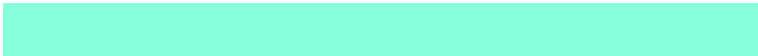
20.3446, 21.4041, 23.3091

Same Dimension

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



49.4970, 65.8810, 65.9857



58.5144, 81.7788, 79.4692



48.6748, 58.6644, 82.8897



14.6114, 16.2580, 17.4846



19.6800, 33.5041, 24.6128



1.4951, 2.4922, 2.0337

Inverse Universe

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



48.6685, 38.2060, 41.3712



57.3245, 41.5897, 43.7906



48.9905, 42.4367, 30.4211



14.5561, 14.4396, 15.8628



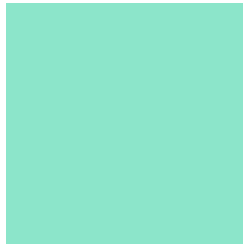
19.1446, 9.7920, 4.3903



1.4549, 0.7397, 0.5359

Previews

White Background



This preview shows how the XYZ color 49.4952, 65.8783, 65.9842 looks on a white background.

Color Contrast Check

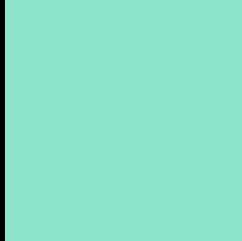
Large Text (above 18pt) WCAG AA × Fail

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 49.4952, 65.8783, 65.9842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

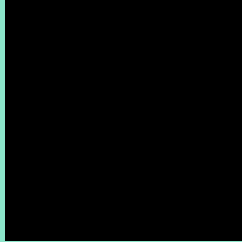
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

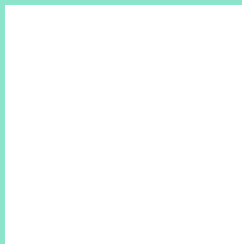
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4952, 65.8783, 65.9842

Background



This preview shows how black text looks on a background with the XYZ color 49.4952, 65.8783, 65.9842.



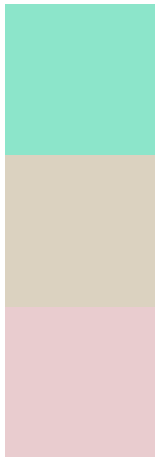
This preview shows how white text looks on a background with the XYZ color 49.4952, 65.8783,

65.9842.

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

49.4952, 65.8783, 65.9842

Protanopia

61.7744, 64.9590, 59.1517

Deuteranopia

66.4596, 65.0144, 68.0777



Tritanopia

54.8425, 65.6103, 92.9926

Trichromacy



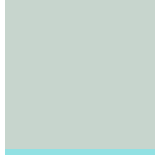
Original Color

49.4952, 65.8783, 65.9842



Protanomaly

56.0119, 64.5584, 61.7334



Deuteranomaly

58.3669, 64.1384, 67.0613



Tritanomaly

52.6444, 65.5075, 82.5426

Monochromacy



Original Color

49.4952, 65.8783, 65.9842



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.8320, 59.7283, 63.4405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4952, 65.8783, 65.9842 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(140, 229, 202)` looks like.

```
.text, #text, p{  
    color:rgb(140, 229, 202)  
}
```

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(140, 229, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 229, 202) }
```

Border

The CSS property to change the border of an element to XYZ 49.4952, 65.8783, 65.9842 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(140, 229, 202) }
```


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

```
.border{ border-color:rgb(140, 229, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 229, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 229, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 229, 202);  
box-shadow:4px 4px 4px 4px rgb(140, 229,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4952, 65.8783, 65.9842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 229, 202) }
```

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

```
.background{ background-color: rgb(140,  
229, 202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor