

Converting Colors

XYZ(64.2957, 82.2789, 83.6625)

Have a look what the booklet for
XYZ(64.2957, 82.2789, 83.6625)
contains.

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Color

**XYZ(64.3538, 82.3535,
83.7382)**

Conversions

Conversions Part 1

Format	Color
Hex	AAFAE1
RGB	170, 250, 225
RGB Percent	67%, 98%, 88%
CMY	0.3333, 0.0196, 0.1176
CMYK	0.32, 0.00, 0.10, 0.02
HSL	161°, 89%, 82%
HSV	161°, 32%, 98%
XYZ	64.3538, 82.3535, 83.7382
YIQ	223.2300, -39.6550, -24.7350

Conversions

Conversions Part 2

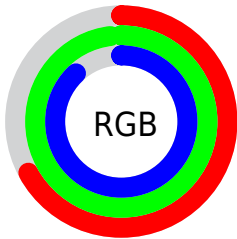
Format	Color
RYB	170, 217, 250
Decimal	11205345
CIELab	92.73, -29.62, 4.23
CIELCh	93, 29.916, 171.876
Yxy	82.3535, 0.2793, 0.3574
Android (android.graphics.Color)	4289395425 (0xFFAAFAE1)
YUV	223.2300, 0.8726, -46.6827
Hunter-Lab	90.7488, -32.2286, 8.8145

Details

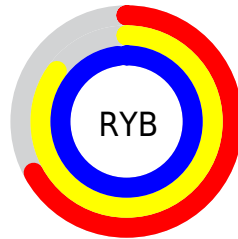
The XYZ color **64.3538, 82.3535, 83.7382** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.6522, 53.0158, 58.5113**, and the grayscale version is **70.3188, 73.9808, 80.5651**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **33.3959, 44.6870, 44.8955** is the 20% darker color. If you saturate the color by 10%, you get **58.4135, 79.4137, 78.0240**, and if you desaturate by 10%, it is **71.3752, 85.8493, 89.7612**.

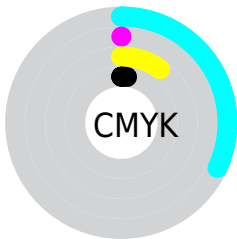
Distribution



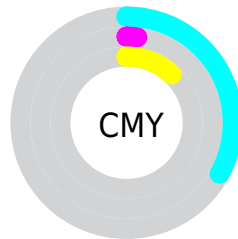
- Red (67%)
- Green (98%)
- Blue (88%)



- Red (67%)
- Yellow (85%)
- Blue (98%)



- Cyan (32%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)



- Cyan (33%)
- Magenta (2%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3538, 82.3535, 83.7382 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 64.3538, 82.3535, 83.7382 by changing the saturation by 10% instead.

64.3538, 82.3535,
83.7382

64.3538, 82.3535,
83.7382

430.0482,
502.8294, 527.4788

47.2000, 61.6570,
62.2552

110.1912,
136.6696, 140.4674

33.4024, 44.7556,
44.8018

139.6055,
171.0580, 176.5506

22.5956, 31.2649,
30.9595

173.8375,
210.7791, 218.3376

14.4143, 20.8007,
20.3098

213.2523,
256.2173, 266.2470

8.4930, 12.9784,
12.4341

258.2155,
307.7571, 320.6972

4.4664, 7.4137,
6.9140

309.0923,

1.9692, 3.7221,

365.7827, 382.1069

3.3307

366.2480,
430.6787, 450.8946

■ 0.6166, 1.5194,
1.2659

■ 0.0000, 0.3023,
0.0336

■ 64.3538, 82.3535,
83.7382

■ 64.3538, 82.3535,
83.7382

■ 58.4135, 79.4137,
78.0240

■ 71.3752, 85.8493,
89.7612

■ 53.4882, 76.9894,
72.6068

■ 79.5252, 89.9191,
96.0932

■ 49.5154, 75.0507,
67.4820

■ 88.8567, 94.5922,
102.7417

■ 46.4223, 73.5600,
62.6428

■ 93.4771, 96.8541,
108.3757

■ 44.1253, 72.4745,
58.0816

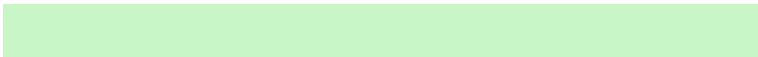
■ 42.5237, 71.7421,
53.7901

■ 41.6211, 71.3478,
50.5428

Harmonies

Analogous

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



67.0652, 82.3535, 65.6920



64.3538, 82.3535, 83.7382



65.1724, 82.3535, 106.6334

Triad

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



64.3538, 82.3535, 83.7382



83.9933, 82.3535, 135.6960



87.8978, 82.3535, 59.9609

Complementary

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



64.3538, 82.3535, 83.7382



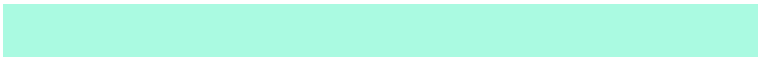
63.6522, 53.0158, 58.5113

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.



93.0245, 82.3535, 74.6065



64.3538, 82.3535, 83.7382



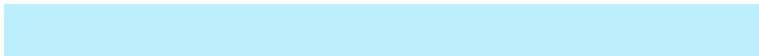
90.6681, 82.3535, 118.8678

Square

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



64.3538, 82.3535, 83.7382



76.1753, 82.3535, 139.2327



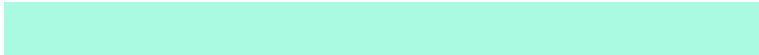
94.0706, 82.3535, 95.8733



80.4120, 82.3535, 53.5322

Rectangle

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



64.3538, 82.3535, 83.7382



67.6358, 82.3535, 121.4846



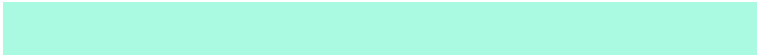
94.0706, 82.3535, 95.8733



89.9742, 82.3535, 63.9580

Sweetspot

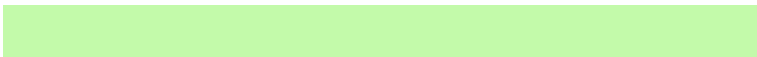
The Sweet Spot groups the original color and five complimentary colors.



64.3561, 82.3569, 83.7401



85.0261, 94.9777, 101.8716



64.0358, 82.9235, 50.6624



17.9192, 20.1891, 21.5990



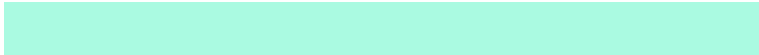
0.0000, 0.0000, 0.0000



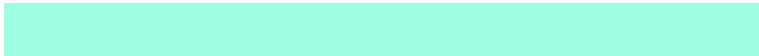
20.3446, 21.4041, 23.3091

Same Dimension

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



64.3561, 82.3569, 83.7401



63.4321, 84.2200, 83.9441



63.6393, 75.0590, 101.5800



17.5214, 19.5108, 20.9461



22.1440, 37.8706, 27.1655



2.0987, 3.5266, 2.7675

Inverse Universe

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



63.6522, 53.0158, 58.5113



62.6025, 49.3953, 54.0290



63.9620, 57.7872, 45.8145



17.4680, 17.3146, 19.0544



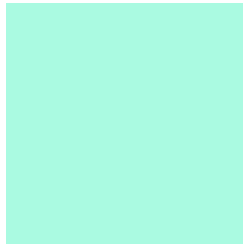
21.7007, 11.0960, 5.1321



2.0554, 1.0459, 0.7153

Previews

White Background



This preview shows how the XYZ color 64.3538, 82.3535, 83.7382 looks on a white background.

Color Contrast Check

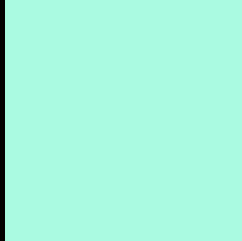
Large Text (above 18pt) WCAG AA × Fail

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 64.3538, 82.3535, 83.7382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

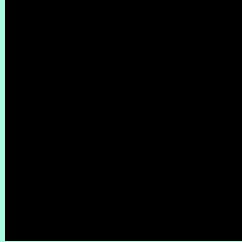
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.3538, 82.3535, 83.7382

Background



This preview shows how black text looks on a background with the XYZ color 64.3538, 82.3535, 83.7382.



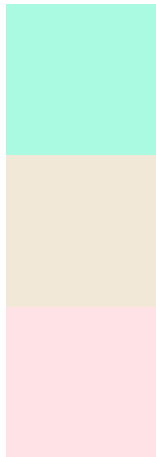
This preview shows how white text looks on a background with the XYZ color 64.3538, 82.3535,

83.7382.

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

64.3538, 82.3535, 83.7382

Protanopia

77.3980, 81.3203, 75.9071

Deuteranopia

82.7193, 81.3659, 86.2083



Tritanopia

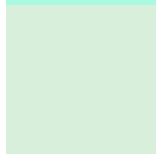
72.5313, 82.0009, 106.6127

Trichromacy



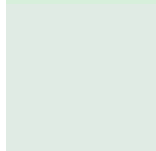
Original Color

64.3538, 82.3535, 83.7382



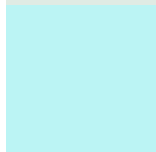
Protanomaly

71.6770, 81.2945, 78.9315



Deuteranomaly

74.4524, 80.8654, 85.0833



Tritanomaly

69.1733, 81.7978, 97.7307

Monochromacy



Original Color

64.3538, 82.3535, 83.7382



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.4953, 76.4970, 81.7290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3538, 82.3535, 83.7382 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(170, 250, 225)` looks like.

```
.text, #text, p{  
    color:rgb(170, 250, 225)  
}
```

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(170, 250, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 250, 225) }
```

Border

The CSS property to change the border of an element to XYZ 64.3538, 82.3535, 83.7382 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(170, 250, 225) }
```


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

```
.border{ border-color:rgb(170, 250, 225) }
```

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

Here you see how a box with a 4 pixel rgb(170, 250, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 250, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 250, 225);  
box-shadow:4px 4px 4px 4px rgb(170, 250,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3538, 82.3535, 83.7382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 250, 225) }
```

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

```
.background{ background-color: rgb(170,  
250, 225) }
```

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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