

# Converting Colors

XYZ(63.6953, 81.9484, 80.1517)

Have a look what the booklet for  
XYZ(63.6953, 81.9484, 80.1517)  
contains.

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# Color

**XYZ(63.8985, 82.1964,  
80.2078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABFADC
RGB	171, 250, 220
RGB Percent	67%, 98%, 86%
CMY	0.3294, 0.0196, 0.1372
CMYK	0.32, 0.00, 0.12, 0.02
HSL	157°, 89%, 83%
HSV	157°, 32%, 98%
XYZ	63.8985, 82.1964, 80.2078
YIQ	222.9590, -37.4540, -26.0780

# Conversions

## Conversions Part 2

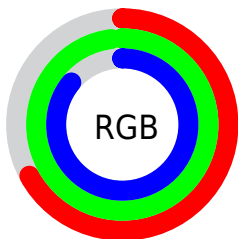
Format	Color
<a href="#">RYB</a>	<a href="#">171, 220, 250</a>
Decimal	<a href="#">11270876</a>
CIELab	<a href="#">92.66, -30.35, 6.72</a>
CIELCh	<a href="#">93, 31.090, 167.516</a>
Yxy	<a href="#">82.1964, 0.2824, 0.3632</a>
Android (android.graphics.Color)	<a href="#">4289460956 (0xFFABFADC)</a>
YUV	<a href="#">222.9590, -1.4588, -45.5680</a>
Hunter-Lab	<a href="#">90.6622, -32.8526, 11.0104</a>

# Details

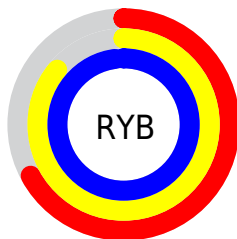
The XYZ color **63.8985, 82.1964, 80.2078** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **64.5328, 53.6691, 62.2198**, and the grayscale version is **70.1411, 73.7939, 80.3616**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **33.0640, 44.5695, 42.4574** is the 20% darker color. If you saturate the color by 10%, you get **57.7377, 79.1638, 73.5417**, and if you desaturate by 10%, it is **71.1652, 85.7952, 87.3020**.

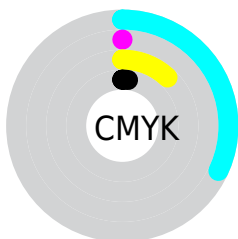
# Distribution



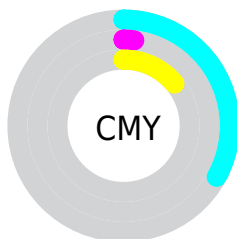
- Red (67%)
- Green (98%)
- Blue (86%)



- Red (67%)
- Yellow (86%)
- Blue (98%)



- Cyan (32%)
- Magenta (0%)
- Yellow (12%)
- Black (2%)




- Cyan (33%)
- Magenta (2%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8985, 82.1964, 80.2078 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 63.8985, 82.1964, 80.2078 by changing the saturation by 10% instead.





 63.8985, 82.1964,  
80.2078

 63.8985, 82.1964,  
80.2078


428.4310,  
502.3044, 515.3581

 46.8298, 61.5274,  
59.3622


 109.5393,  
136.4494, 135.4719

 33.1085, 44.6510,  
42.4828


138.8422,  
170.8022, 170.7274

 22.3692, 31.1826,  
29.1511


172.9538,  
210.4851, 211.6234

 14.2466, 20.7379,  
18.9486

212.2395,  
255.8824, 258.5783

 8.3752, 12.9326,  
11.4567

257.0648,  
307.3787, 312.0107

 4.3898, 7.3821,  
6.2569

307.7949,

 1.9249, 3.7022,

365.3581, 372.3391

2.9306

364.7952,  
430.2052, 439.9820

■ 0.5913, 1.5084,  
1.0593

■ 0.0000, 0.2946,  
0.0000

■ 63.8985, 82.1964,  
80.2078

■ 63.8985, 82.1964,  
80.2078

■ 57.7377, 79.1638,  
73.5417

■ 71.1652, 85.7952,  
87.3020

■ 52.6166, 76.6568,  
67.2893

■ 79.5857, 89.9783,  
94.8273

■ 48.4722, 74.6454,  
61.4431

■ 89.2133, 94.7752,  
102.7937

■ 45.2316, 73.0921,  
55.9931

■ 93.4771, 96.8541,  
108.3757

■ 42.8111, 71.9539,  
50.9289

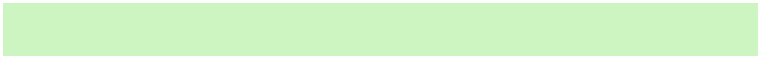
■ 41.1103, 71.1791,  
46.2389

■ 40.1084, 70.7427,  
42.5773

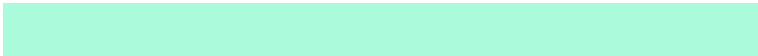
# Harmonies

## Analogous

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



67.2044, 82.1964, 62.6522



63.8985, 82.1964, 80.2078



64.2082, 82.1964, 103.5891

# Triad

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



63.8985, 82.1964, 80.2078



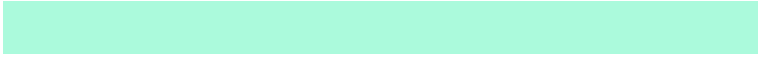
82.9019, 82.1964, 139.0671



89.1107, 82.1964, 60.4964

# Complementary

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



63.8985, 82.1964, 80.2078



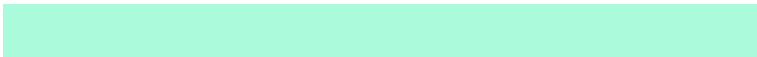
64.5328, 53.6691, 62.2198

# 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.



93.9206, 82.1964, 76.7463



63.8985, 82.1964, 80.2078



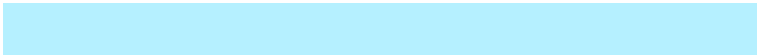
90.1694, 82.1964, 123.0891

# Square

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



63.8985, 82.1964, 80.2078



74.8102, 82.1964, 140.4299



94.3208, 82.1964, 99.4790



81.5367, 82.1964, 52.6630



# Rectangle

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



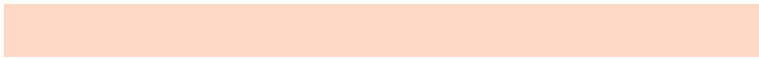
63.8985, 82.1964, 80.2078



66.4234, 82.1964, 119.4665



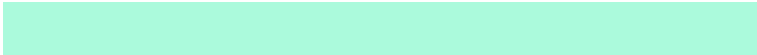
94.3208, 82.1964, 99.4790



91.1264, 82.1964, 65.0137

# Sweetspot

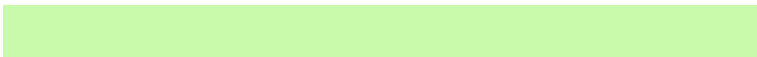
The Sweet Spot groups the original color and five complimentary colors.



63.9008, 82.1998, 80.2097



85.7332, 95.3555, 101.3045



65.7026, 83.7718, 51.2362



18.0491, 20.2600, 21.4281



0.0000, 0.0000, 0.0000

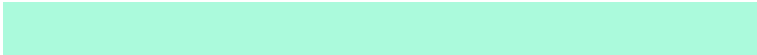


20.3446, 21.4041, 23.3091

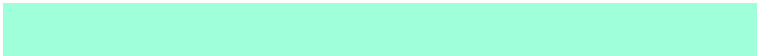


# Same Dimension

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



63.9008, 82.1998, 80.2097



62.5613, 83.8717, 79.3584



65.4438, 78.3457, 102.1193



17.4700, 19.4903, 20.6757



21.3462, 37.5515, 22.9640



2.0286, 3.4985, 2.3985



# Inverse Universe

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



64.5328, 53.6691, 62.2198



63.3230, 49.6835, 57.8229



63.1426, 55.9966, 46.0100



17.5173, 17.3343, 19.3140



22.0707, 11.2440, 7.0805

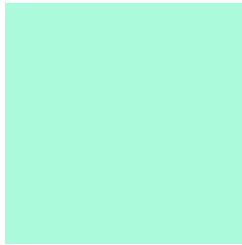


2.0939, 1.0613, 0.9179



# Previews

## White Background



This preview shows how the XYZ color 63.8985, 82.1964, 80.2078 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

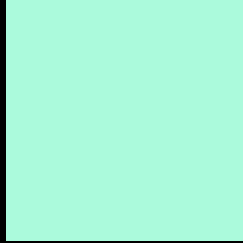
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.8985, 82.1964, 80.2078 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 63.8985, 82.1964, 80.2078**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.8985, 82.1964, 80.2078.



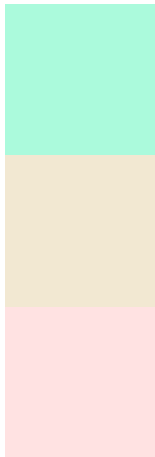
This preview shows how white text looks on a background with the XYZ color 63.8985, 82.1964,



# 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

63.8985, 82.1964, 80.2078

### Protanopia

77.1074, 81.2436, 72.5904

### Deuteranopia

82.1638, 81.1437, 83.2833



## Tritanopia

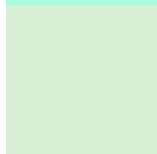
72.5313, 82.0009, 106.6127

# Trichromacy



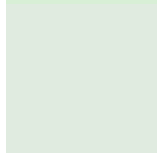
## Original Color

63.8985, 82.1964, 80.2078



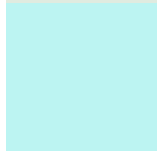
## Protanomaly

71.3230, 81.1870, 75.5299



## Deuteranomaly

73.9033, 80.6458, 82.1921



## Tritanomaly

69.1167, 81.8035, 96.1512

# Monochromacy



## Original Color

63.8985, 82.1964, 80.2078



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

67.2256, 76.3891, 80.3087

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.8985, 82.1964, 80.2078 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(171, 250, 220)` looks like.

```
.text, #text, p{  
    color:rgb(171, 250, 220)  
}
```

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(171, 250, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 250, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 63.8985, 82.1964, 80.2078 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(171, 250, 220) }
```



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

```
.border{ border-color:rgb(171, 250, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 250, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 250, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 250, 220);  
box-shadow:4px 4px 4px 4px rgb(171, 250,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.8985, 82.1964, 80.2078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 250, 220) }
```

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

```
.background{ background-color: rgb(171,  
250, 220) }
```

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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