

# Converting Colors

XYZ(64.2223, 81.0434, 90.0407)

Have a look what the booklet for  
XYZ(64.2223, 81.0434, 90.0407)  
contains.

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# Color

**XYZ(64.3550, 81.2908,  
90.1407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7F8EA
RGB	167, 248, 234
RGB Percent	65%, 97%, 92%
CMY	0.3451, 0.0274, 0.0823
CMYK	0.33, 0.00, 0.06, 0.03
HSL	170°, 85%, 81%
HSV	170°, 33%, 97%
XYZ	64.3550, 81.2908, 90.1407
YIQ	222.1850, -43.7820, -21.5260

# Conversions

## Conversions Part 2

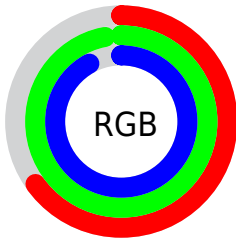
Format	Color
R <sub>Y</sub> B	167, 211, 248
Decimal	11008234
CIE Lab	92.26, -27.59, -1.14
CIE LCh	92, 27.611, 182.362
Yxy	81.2908, 0.2729, 0.3448
Android (android.graphics.Color)	4289198314 (0xFFA7F8EA)
YUV	222.1850, 5.8248, -48.3972
Hunter-Lab	90.1614, -30.3736, 3.8366

# Details

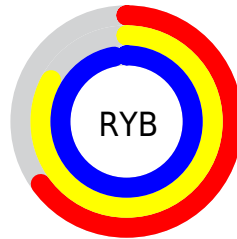
The XYZ color **64.3550, 81.2908, 90.1407** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.8734, 50.9322, 50.3417**, and the grayscale version is **69.5460, 73.1678, 79.6797**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **33.3488, 43.9207, 48.8394** is the 20% darker color. If you saturate the color by 10%, you get **59.0018, 78.6035, 86.7151**, and if you desaturate by 10%, it is **70.7324, 84.5085, 93.6955**.

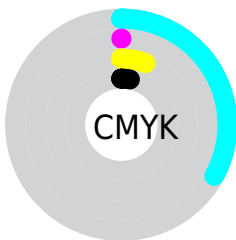
# Distribution



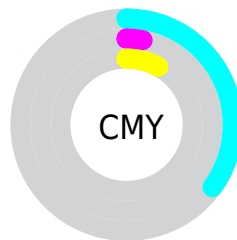
- Red (65%)
- Green (97%)
- Blue (92%)



- Red (65%)
- Yellow (83%)
- Blue (97%)



- Cyan (33%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)




- Cyan (35%)
- Magenta (3%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3550, 81.2908, 90.1407 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 64.3550, 81.2908, 90.1407 by changing the saturation by 10% instead.





 64.3550, 81.2908,  
90.1407

 64.3550, 81.2908,  
90.1407


430.0524,  
499.2723, 549.0703

 47.2010, 60.7811,  
67.5230


 110.1929,  
135.1790, 149.4710

 33.4032, 44.0486,  
49.0455


139.6076,  
169.3263, 187.0207

 22.5962, 30.7087,  
34.2897


173.8398,  
208.7884, 230.3848

 14.4147, 20.3771,  
22.8371

213.2550,  
253.9494, 279.9819

 8.4933, 12.6695,  
14.2691

258.2185,  
305.1940, 336.2304

 4.4666, 7.2013,  
8.1672

309.0957,

 1.9694, 3.5883,

362.9064, 399.5490

4.1128

366.2519,  
427.4710, 470.3561

0.6167, 1.4461,  
1.6874

0.0000, 0.2503,  
0.3521

64.3550, 81.2908,  
90.1407

64.3550, 81.2908,  
90.1407

59.0018, 78.6035,  
86.7151

70.7324, 84.5085,  
93.6955

54.6081, 76.4071,  
83.4100

78.1802, 88.2742,  
97.3771

51.1126, 74.6720,  
80.2236

86.7501, 92.6166,  
101.1900

48.4441, 73.3615,  
77.1521

92.2452, 95.3722,  
104.9384

■ 46.5202, 72.4333,  
74.1910

■ 92.8588, 95.6177,  
108.1696

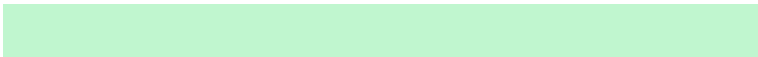
■ 45.2414, 71.8360,  
71.3352

■ 44.6042, 71.5518,  
69.3010

# Harmonies

## Analogous

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



65.7399, 81.2908, 71.5125



64.3550, 81.2908, 90.1407



66.2488, 81.2908, 111.2458

# Triad

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



64.3550, 81.2908, 90.1407



84.8408, 81.2908, 126.0090



83.8030, 81.2908, 58.0751

# Complementary

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



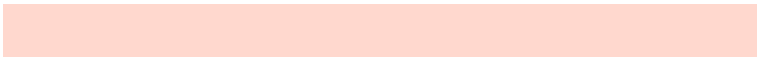
64.3550, 81.2908, 90.1407



60.8734, 50.9322, 50.3417

# 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.



89.4382, 81.2908, 69.1075



64.3550, 81.2908, 90.1407



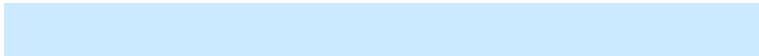
90.0629, 81.2908, 108.0119

# Square

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



64.3550, 81.2908, 90.1407



77.8311, 81.2908, 133.8445



91.7943, 81.2908, 86.9028

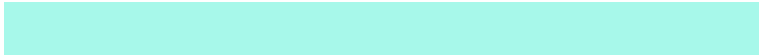


76.7006, 81.2908, 54.7804



# Rectangle

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



64.3550, 81.2908, 90.1407



69.1879, 81.2908, 123.4028



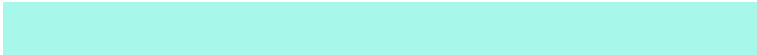
91.7943, 81.2908, 86.9028



85.9463, 81.2908, 60.9082

# Sweetspot

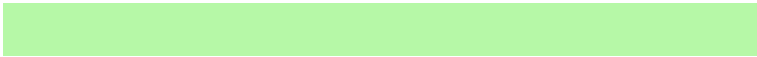
The Sweet Spot groups the original color and five complimentary colors.



64.3573, 81.2941, 90.1426



85.5812, 95.1997, 104.7945



59.8009, 79.8550, 48.8224



18.0541, 20.2431, 22.3093



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

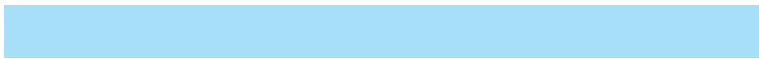
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.3573, 81.2941, 90.1426



64.7878, 84.7049, 93.6760



59.0964, 67.4243, 98.7102



17.6294, 19.5540, 21.5152



24.1406, 38.6692, 37.6792



2.2686, 3.5946, 3.6625



# Inverse Universe

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



60.8734, 50.9322, 50.3417



60.5710, 47.8933, 45.4563



64.6818, 60.7343, 44.8744



17.3671, 17.2742, 18.5227



21.1811, 10.8882, 2.3964

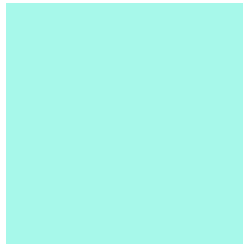


1.9948, 1.0217, 0.3961



# Previews

## White Background



This preview shows how the XYZ color 64.3550, 81.2908, 90.1407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

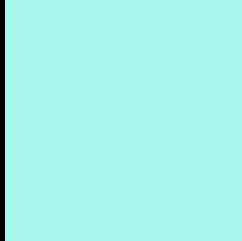
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.3550, 81.2908, 90.1407 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

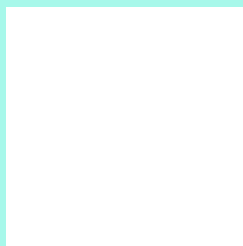
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 64.3550, 81.2908, 90.1407

## Background



This preview shows how black text looks on a background with the XYZ color 64.3550, 81.2908, 90.1407.



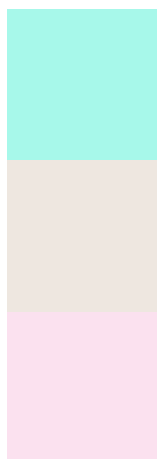
This preview shows how white text looks on a background with the XYZ color 64.3550, 81.2908,



# 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

64.3550, 81.2908, 90.1407

### Protanopia

77.2904, 80.7108, 82.0261

### Deuteranopia

82.2889, 80.5917, 92.8800



## Tritanopia

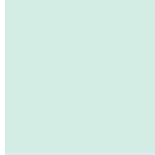
70.9483, 80.7466, 106.4540

# Trichromacy



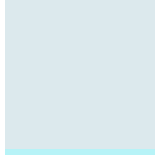
## Original Color

64.3550, 81.2908, 90.1407



## Protanomaly

71.4392, 80.1669, 85.1073



## Deuteranomaly

73.9402, 79.6079, 91.5896



## Tritanomaly

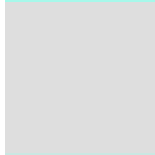
68.3675, 80.8839, 100.0045

# Monochromacy



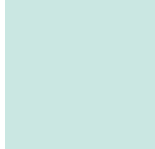
## Original Color

64.3550, 81.2908, 90.1407



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

66.6605, 75.1994, 82.9531

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.3550, 81.2908, 90.1407 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(167, 248, 234)` looks like.

```
.text, #text, p{  
    color:rgb(167, 248, 234)  
}
```

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(167, 248, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 248, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 64.3550, 81.2908, 90.1407 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(167, 248, 234) }
```



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

```
.border{ border-color:rgb(167, 248, 234) }
```

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

Here you see how a box with a 4 pixel rgb(167, 248, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 248, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 248, 234);  
box-shadow:4px 4px 4px 4px rgb(167, 248,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.3550, 81.2908, 90.1407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 248, 234) }
```

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

```
.background{ background-color: rgb(167,  
248, 234) }
```

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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