

# Converting Colors

XYZ(65.6194, 85.4001, 81.6721)

Have a look what the booklet for  
XYZ(65.6194, 85.4001, 81.6721)  
contains.

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# Color

**XYZ(65.6057, 85.3984,  
81.4324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABFFDD
RGB	171, 255, 221
RGB Percent	67%, 100%, 87%
CMY	0.3294, 0.0000, 0.1333
CMYK	0.33, 0.00, 0.13, 0.00
HSL	156°, 100%, 84%
HSV	156°, 33%, 100%
XYZ	65.6057, 85.3984, 81.4324
YIQ	226.0080, -39.1500, -28.3820

# Conversions

## Conversions Part 2

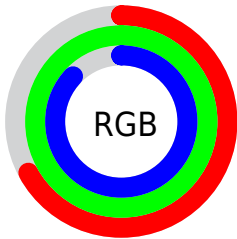
Format	Color
<a href="#">RYB</a>	<a href="#">171, 224, 255</a>
Decimal	<a href="#">11272157</a>
CIELab	<a href="#">94.05, -32.49, 8.21</a>
CIELCh	<a href="#">94, 33.514, 165.824</a>
Yxy	<a href="#">85.3984, 0.2823, 0.3674</a>
Android (android.graphics.Color)	<a href="#">4289462237</a> ( <a href="#">0xFFABFFDD</a> )
YUV	<a href="#">226.0080, -2.4689, -48.2420</a>
Hunter-Lab	<a href="#">92.4113, -34.9968, 12.4418</a>

# Details

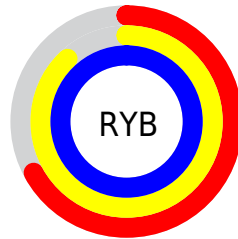
The XYZ color **65.6057, 85.3984, 81.4324** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.8228, 54.7945, 64.8122**, and the grayscale version is **72.3319, 76.0988, 82.8716**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **34.2795, 46.8543, 43.3135** is the 20% darker color. If you saturate the color by 10%, you get **59.2437, 82.2726, 74.1762**, and if you desaturate by 10%, it is **73.1253, 89.1110, 89.1868**.

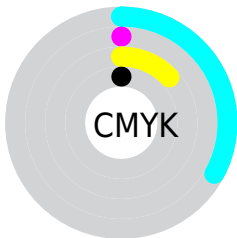
# Distribution



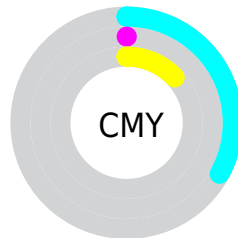
- Red (67%)
- Green (100%)
- Blue (87%)



- Red (67%)
- Yellow (88%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6057, 85.3984, 81.4324 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 65.6057, 85.3984, 81.4324 by changing the saturation by 10% instead.





 65.6057, 85.3984,  
81.4324

 65.6057, 85.3984,  
81.4324


434.4763,  
512.9454, 519.5806

 48.2189, 64.1706,  
60.3647


 111.9811,  
140.9297, 137.2073

 34.2123, 46.7889,  
43.2854


141.7004,  
176.0019, 172.7515

 23.2204, 32.8688,  
29.7761

176.2613,  
216.4578, 213.9584

 14.8779, 22.0259,  
19.4181

216.0290,  
262.6817, 261.2464

 8.8195, 13.8760,  
11.7929

261.3691,  
315.0581, 315.0341

 4.6798, 8.0344,  
6.4820

312.6467,

 2.0935, 4.1170,

373.9712, 375.7400

3.0668

370.2273,  
439.8055, 443.7827

0.6857, 1.7392,  
1.1289

0.0000, 0.4489,  
0.0000

65.6057, 85.3984,  
81.4324

65.6057, 85.3984,  
81.4324

59.2437, 82.2726,  
74.1762

73.1253, 89.1110,  
89.1868

53.9735, 79.7002,  
67.4033

81.8585, 93.4394,  
97.4457

49.7263, 77.6457,  
61.1037

91.8603, 98.4117,  
106.2204

46.4239, 76.0691,  
55.2654

95.0500, 100.0000,  
108.9000

■ 43.9762, 74.9240,  
49.8756

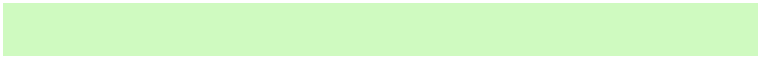
■ 42.2741, 74.1544,  
44.9204

■ 41.4102, 73.7801,  
41.6737

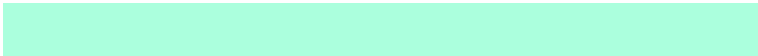
# Harmonies

## Analogous

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



69.4451, 85.3984, 62.7029



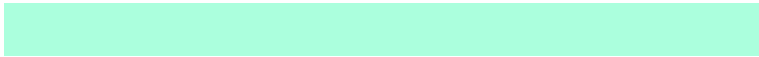
65.6057, 85.3984, 81.4324



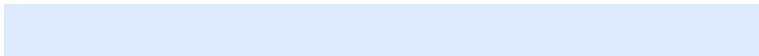
65.7168, 85.3984, 107.0761

# Triad

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



65.6057, 85.3984, 81.4324



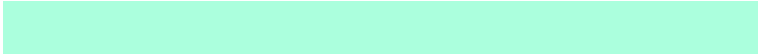
85.9505, 85.3984, 148.8972



93.7569, 85.3984, 61.9360

# Complementary

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



65.6057, 85.3984, 81.4324



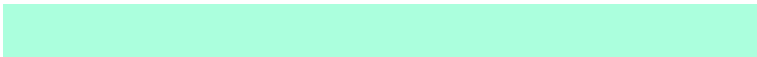
66.8228, 54.7945, 64.8122

# 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.



98.8704, 85.3984, 80.1866



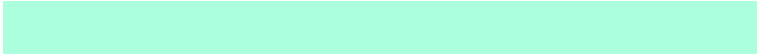
65.6057, 85.3984, 81.4324



94.1424, 85.3984, 131.7175

# Square

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



65.6057, 85.3984, 81.4324



77.0279, 85.3984, 149.3994



99.0165, 85.3984, 105.5802

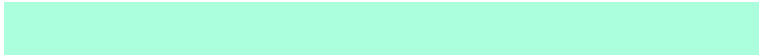


85.4552, 85.3984, 52.9290



# Rectangle

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



65.6057, 85.3984, 81.4324



68.0036, 85.3984, 124.9045



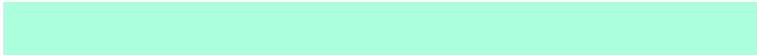
99.0165, 85.3984, 105.5802



95.9317, 85.3984, 67.0260

# Sweetspot

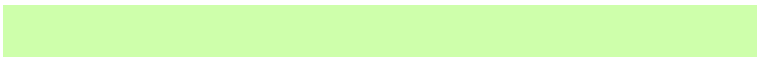
The Sweet Spot groups the original color and five complimentary colors.



65.6065, 85.3987, 81.4338



84.6653, 94.8334, 99.9718



68.5649, 87.5824, 51.8205



17.8318, 20.1541, 21.1384



0.0000, 0.0000, 0.0000

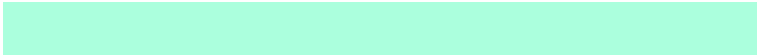


20.3446, 21.4041, 23.3091

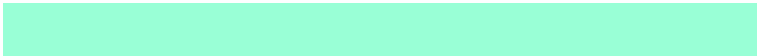


# Same Dimension

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



65.6065, 85.3987, 81.4338



60.9982, 83.1328, 76.2594



68.4125, 83.0131, 107.0251



18.2254, 20.3497, 21.4901



21.7136, 38.5820, 22.1751



2.1683, 3.7783, 2.4443



# Inverse Universe

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



66.8228, 54.7945, 64.8122



62.4008, 47.9503, 57.1730



64.5117, 56.0420, 45.9463



18.3141, 18.1089, 20.2710



22.9028, 11.6504, 8.1386

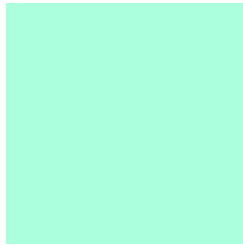


2.2824, 1.1553, 1.0685



# Previews

## White Background



This preview shows how the XYZ color 65.6057, 85.3984, 81.4324 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

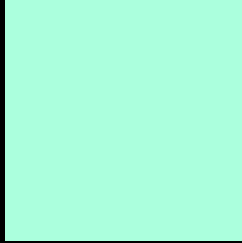
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.6057, 85.3984, 81.4324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

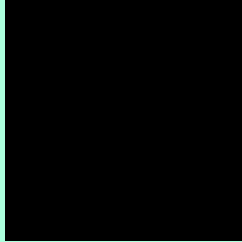
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.6057, 85.3984, 81.4324

## Background



This preview shows how black text looks on a background with the XYZ color 65.6057, 85.3984, 81.4324.



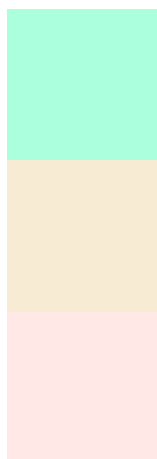
This preview shows how white text looks on a background with the XYZ color 65.6057, 85.3984,



# 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

65.6057, 85.3984, 81.4324

### Protanopia

80.1111, 84.4682, 73.7097

### Deuteranopia

84.3795, 84.6864, 86.7617



## **Tritanopia**

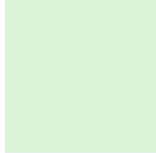
76.1130, 84.7311, 106.9509

# Trichromacy



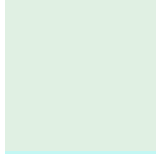
## Original Color

65.6057, 85.3984, 81.4324



## Protanomaly

73.5298, 84.0675, 76.6412



## Deuteranomaly

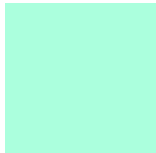
75.7657, 83.7135, 84.8381



## Tritanomaly

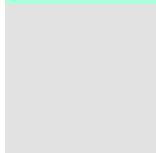
71.9441, 84.5947, 97.3306

# Monochromacy



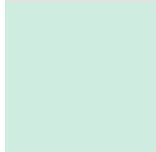
## Original Color

65.6057, 85.3984, 81.4324



## Achromatopsia

72.2879, 76.0525, 82.8211



## Achromatomaly

69.1923, 79.0720, 82.1366

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.6057, 85.3984, 81.4324 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, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 221)  
}
```

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, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 65.6057, 85.3984, 81.4324 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, 255, 221) }
```



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

```
.border{ border-color:rgb(171, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.6057, 85.3984, 81.4324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 221) }
```

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

```
.background{ background-color: rgb(171,  
255, 221) }
```

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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