

# Converting Colors

XYZ(72.7449, 100.0000,  
80.0496)

Have a look what the booklet for  
XYZ(72.7449, 100.0000, 80.0496)  
contains.

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# Color

**XYZ(65.4813, 85.4250,  
77.3274)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEFFD7
RGB	174, 255, 215
RGB Percent	68%, 100%, 84%
CMY	0.3176, 0.0000, 0.1569
CMYK	0.32, 0.00, 0.16, 0.00
HSL	150°, 100%, 84%
HSV	150°, 32%, 100%
XYZ	65.4813, 85.4250, 77.3274
YIQ	226.2210, -35.4360, -29.6120

# Conversions

## Conversions Part 2

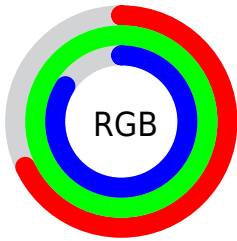
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 228, 255
Decimal	11468759
CIELab	94.07, -32.82, 11.33
CIELCh	94, 34.722, 160.954
Yxy	85.4250, 0.2869, 0.3743
Android (android.graphics.Color)	4289658839 (0xFFAEFFD7)
YUV	226.2210, -5.5320, -45.7978
Hunter-Lab	92.4256, -35.2820, 15.0933

# Details

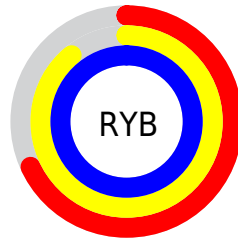
The XYZ color **65.4813, 85.4250, 77.3274** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.5141, 56.3880, 70.8913**, and the grayscale version is **72.5055, 76.2815, 83.0705**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **34.1470, 46.8482, 40.5006** is the 20% darker color. If you saturate the color by 10%, you get **58.7730, 82.1465, 68.8900**, and if you desaturate by 10%, it is **73.3940, 89.3099, 86.4741**.

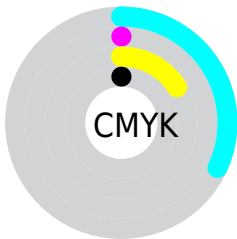
# Distribution



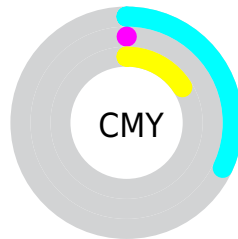
- Red (68%)
- Green (100%)
- Blue (84%)



- Red (68%)
- Yellow (89%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.4813, 85.4250, 77.3274 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 65.4813, 85.4250, 77.3274 by changing the saturation by 10% instead.





 65.4813, 85.4250,  
77.3274

 65.4813, 85.4250,  
77.3274


434.0375,  
513.0333, 505.3469

 48.1176, 64.1926,  
57.0085


 111.8034,  
140.9668, 131.3788

 34.1317, 46.8067,  
40.6026


141.4925,  
176.0450, 165.9483

 23.1581, 32.8829,  
27.6914


176.0208,  
216.5073, 206.1050

 14.8317, 22.0367,  
17.8561

215.7536,  
262.7380, 252.2676

 8.7869, 13.8839,  
10.6784

261.0564,  
315.1216, 304.8546

 4.6584, 8.0400,  
5.7396

312.2943,

 2.0810, 4.1205,

374.0424, 364.2844

2.6212

369.8329,  
439.8848, 430.9756

■ 0.6788, 1.7412,  
0.9033

■ 0.0000, 0.4501,  
0.0000

■ 65.4813, 85.4250,  
77.3274

■ 65.4813, 85.4250,  
77.3274

■ 58.7730, 82.1465,  
68.8900

■ 73.3940, 89.3099,  
86.4741

■ 53.2030, 79.4408,  
61.1401

■ 82.5679, 93.8303,  
96.3428

■ 48.7017, 77.2724,  
54.0609

■ 93.0590, 99.0147,  
106.9510

■ 45.1908, 75.6011,  
47.6330

■ 95.0500, 100.0000,  
108.9000

■ 42.5803, 74.3809,  
41.8359

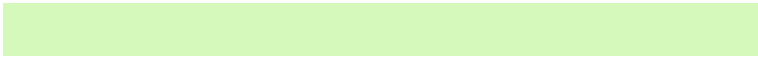
■ 40.7623, 73.5567,  
36.6476

■ 39.7276, 73.1070,  
32.8129

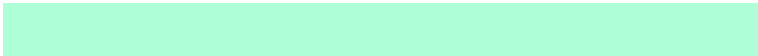
# Harmonies

## Analogous

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



70.0604, 85.4250, 59.5367



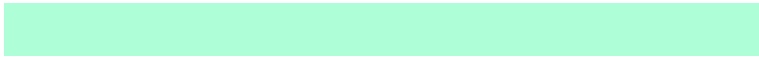
65.4813, 85.4250, 77.3274



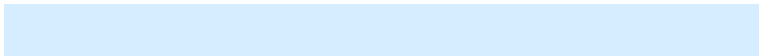
64.9188, 85.4250, 103.0566

# Triad

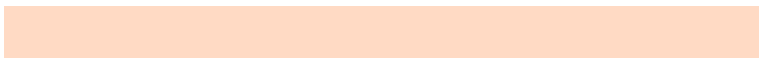
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.4813, 85.4250, 77.3274



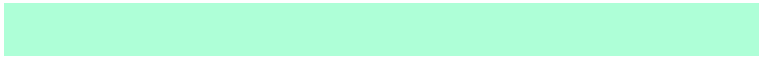
84.6289, 85.4250, 152.6832



95.4157, 85.4250, 63.4011

# Complementary

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



65.4813, 85.4250, 77.3274



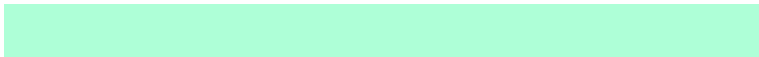
68.5141, 56.3880, 70.8913

# 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.



99.9843, 85.4250, 83.6447



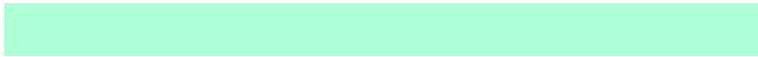
65.4813, 85.4250, 77.3274



93.4485, 85.4250, 137.1467

# Square

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



65.4813, 85.4250, 77.3274



75.5142, 85.4250, 150.1032



99.2382, 85.4250, 110.6888

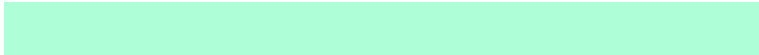


87.1514, 85.4250, 52.6176



# Rectangle

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



65.4813, 85.4250, 77.3274



66.8450, 85.4250, 121.8234



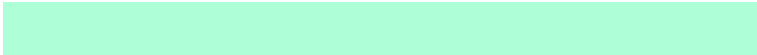
99.2382, 85.4250, 110.6888



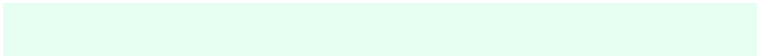
97.4620, 85.4250, 69.1462

# Sweetspot

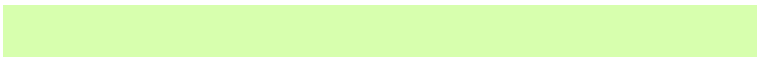
The Sweet Spot groups the original color and five complimentary colors.



65.4820, 85.4253, 77.3288



84.3212, 94.6957, 98.1597



71.2782, 88.9477, 53.4574



17.7485, 20.1208, 20.6999



0.0000, 0.0000, 0.0000

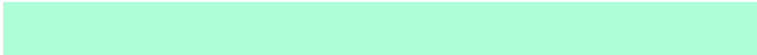


20.3446, 21.4041, 23.3091

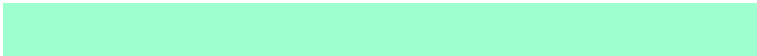


# Same Dimension

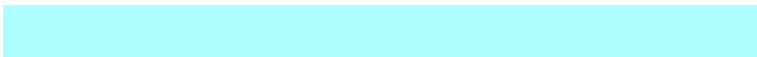
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.4820, 85.4253, 77.3288



61.1610, 83.3115, 71.9844



71.2660, 87.7389, 107.7869



18.1552, 20.3216, 21.1204



20.8341, 38.2302, 17.5434



2.0837, 3.7444, 1.9987



# Inverse Universe

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



68.5141, 56.3880, 70.8913



64.6185, 50.2017, 64.6453



64.0167, 54.5890, 47.2082



18.3833, 18.1366, 20.6358



23.5891, 11.9249, 11.7525

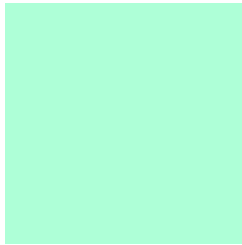


2.3518, 1.1831, 1.4342



# Previews

## White Background



This preview shows how the XYZ color 65.4813, 85.4250, 77.3274 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

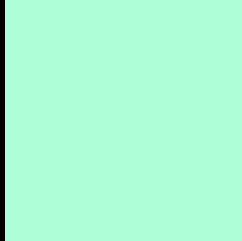
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.4813, 85.4250, 77.3274 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

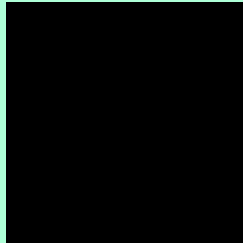
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

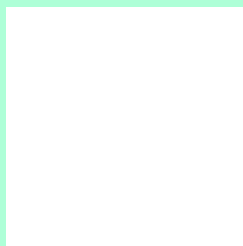
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.4813, 85.4250, 77.3274**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.4813, 85.4250, 77.3274.



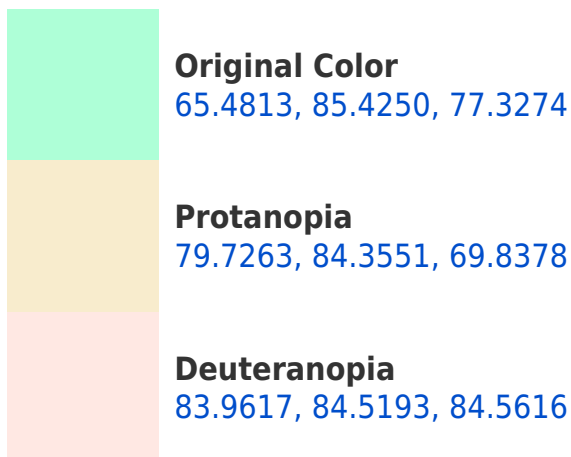
This preview shows how white text looks on a background with the XYZ color 65.4813, 85.4250,



# 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





## Tritanopia

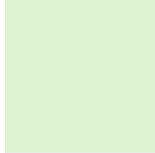
76.3951, 84.8765, 106.9641

# Trichromacy



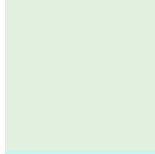
## Original Color

65.4813, 85.4250, 77.3274



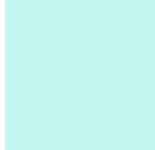
## Protanomaly

73.3780, 84.0768, 72.6826



## Deuteranomaly

75.8434, 83.8166, 81.9929



## Tritanomaly

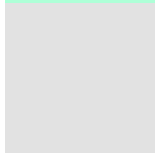
71.7539, 84.5486, 94.9757

# Monochromacy



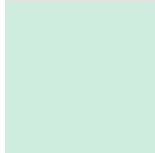
## Original Color

65.4813, 85.4250, 77.3274



## Achromatopsia

72.2879, 76.0525, 82.8211



## Achromatomaly

69.2011, 79.1077, 80.7293

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.4813, 85.4250, 77.3274 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(174, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 215)  
}
```

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(174, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 65.4813, 85.4250, 77.3274 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(174, 255, 215) }
```



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

```
.border{ border-color:rgb(174, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.4813, 85.4250, 77.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 215) }
```

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

```
.background{ background-color: rgb(174,  
255, 215) }
```

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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