

Converting Colors

XYZ(64.8539, 85.0314, 80.4682)

Have a look what the booklet for
XYZ(64.8539, 85.0314, 80.4682)
contains.

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Color

**XYZ(64.8267, 85.0121,
80.7024)**

Conversions

Conversions Part 1

Format	Color
Hex	A8FFDC
RGB	168, 255, 220
RGB Percent	66%, 100%, 86%
CMY	0.3412, 0.0000, 0.1372
CMYK	0.34, 0.00, 0.14, 0.00
HSL	156°, 100%, 83%
HSV	156°, 34%, 100%
XYZ	64.8267, 85.0121, 80.7024
YIQ	224.9970, -40.6170, -29.3290

Conversions

Conversions Part 2

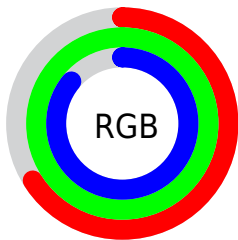
Format	Color
RYB	168, 222, 255
Decimal	11075548
CIELab	93.89, -33.53, 8.47
CIELCh	94, 34.585, 165.832
Yxy	85.0121, 0.2812, 0.3688
Android (android.graphics.Color)	4289265628 (0xFFA8FFDC)
YUV	224.9970, -2.4635, -49.9864
Hunter-Lab	92.2020, -35.8512, 12.6462

Details

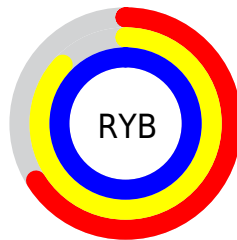
The XYZ color **64.8267, 85.0121, 80.7024** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.0227, 53.5780, 63.3621**, and the grayscale version is **71.6038, 75.3328, 82.0374**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **33.7957, 46.6155, 42.8138** is the 20% darker color. If you saturate the color by 10%, you get **58.6027, 81.9557, 73.5358**, and if you desaturate by 10%, it is **72.2002, 88.6514, 88.3608**.

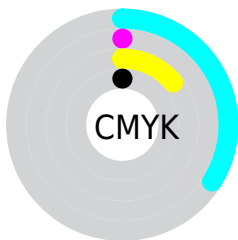
Distribution



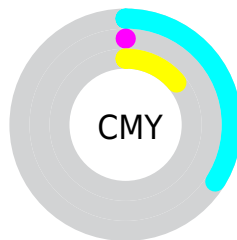
- Red (66%)
- Green (100%)
- Blue (86%)



- Red (66%)
- Yellow (87%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)



- Cyan (34%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8267, 85.0121, 80.7024 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 64.8267, 85.0121, 80.7024 by changing the saturation by 10% instead.

64.8267, 85.0121,
80.7024

64.8267, 85.0121,
80.7024

431.7240,
511.6681, 517.0659

47.5847, 63.8514,
59.7670

110.8678,
140.3901, 136.1731

33.7080, 46.5303,
42.8068

140.3976,
175.3761, 171.5455

22.8312, 32.6645,
29.4032

174.7541,
215.7394, 212.5673

14.5889, 21.8696,
19.1379

214.3026,
261.8643, 259.6570

8.6158, 13.7611,
11.5921

259.4085,
314.1352, 313.2331

4.5466, 7.9547,
6.3474

310.4371,

2.0157, 4.0660,

372.9366, 373.7143

2.9853

367.7538,
438.6527, 441.5190

■ 0.6428, 1.7105,
1.0871

■ 0.0000, 0.4305,
0.0000

■ 64.8267, 85.0121,
80.7024

■ 64.8267, 85.0121,
80.7024

■ 58.6027, 81.9557,
73.5358

■ 72.2002, 88.6514,
88.3608

■ 53.4617, 79.4482,
66.8460

■ 80.7796, 92.9026,
96.5171

■ 49.3341, 77.4538,
60.6233

■ 90.6203, 97.7941,
105.1826

■ 46.1405, 75.9317,
54.8556

95.0500, 100.0000,
108.9000

■ 43.7890, 74.8350,
49.5304

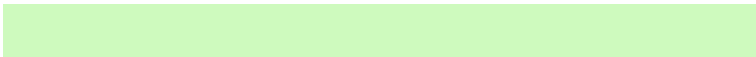
■ 42.1676, 74.1058,
44.6335

■ 41.4617, 73.8007,
41.9447

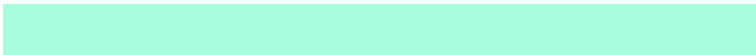
Harmonies

Analogous

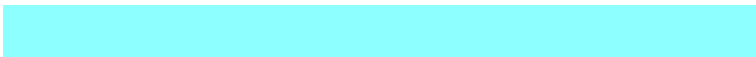
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.7591, 85.0121, 61.5464



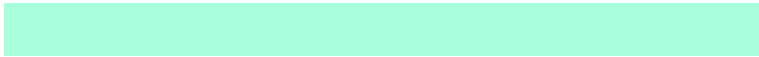
64.8267, 85.0121, 80.7024



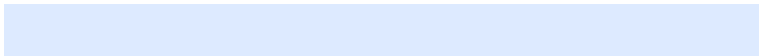
64.9416, 85.0121, 107.0926

Triad

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



64.8267, 85.0121, 80.7024



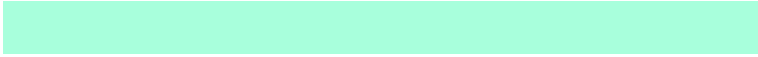
85.7269, 85.0121, 150.3963



93.7719, 85.0121, 60.7572

Complementary

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



64.8267, 85.0121, 80.7024



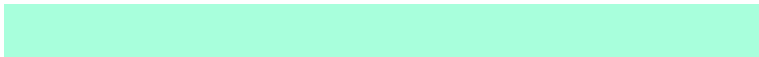
66.0227, 53.5780, 63.3621

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.



99.0536, 85.0121, 79.4122



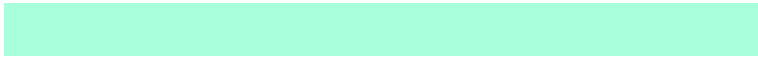
64.8267, 85.0121, 80.7024



94.1737, 85.0121, 132.5654

Square

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



64.8267, 85.0121, 80.7024



76.5461, 85.0121, 150.9232



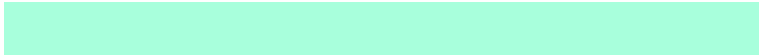
99.2060, 85.0121, 105.5338



85.2117, 85.0121, 51.6013

Rectangle

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



64.8267, 85.0121, 80.7024



67.2845, 85.0121, 125.5217



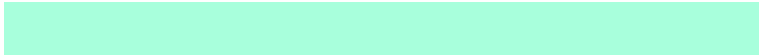
99.2060, 85.0121, 105.5338



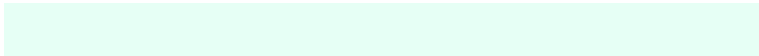
96.0173, 85.0121, 65.9477

Sweetspot

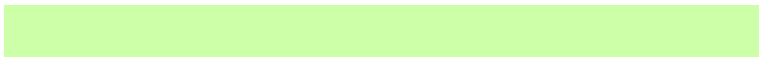
The Sweet Spot groups the original color and five complimentary colors.



64.8275, 85.0125, 80.7038



84.6749, 94.8372, 100.0221



67.7990, 87.2202, 50.3089



17.8341, 20.1551, 21.1506



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.



64.8275, 85.0125, 80.7038



60.4234, 82.8479, 75.7180



67.6897, 82.5264, 106.9693



18.2274, 20.3505, 21.5004



21.7405, 38.5928, 22.3163



2.1709, 3.7793, 2.4576

Inverse Universe

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



66.0227, 53.5780, 63.3621



61.7893, 47.0450, 55.9894



63.6873, 54.8455, 44.2766



18.3122, 18.1082, 20.2609



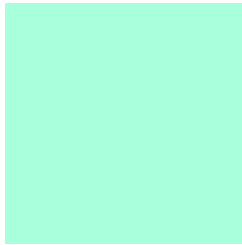
22.8861, 11.6437, 8.0509



2.2806, 1.1546, 1.0593

Previews

White Background



This preview shows how the XYZ color 64.8267, 85.0121, 80.7024 looks on a white background.

Color Contrast Check

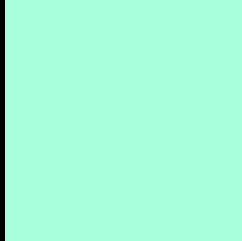
Large Text (above 18pt) WCAG AA × Fail

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 64.8267, 85.0121, 80.7024 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 64.8267, 85.0121, 80.7024

Background



This preview shows how black text looks on a background with the XYZ color 64.8267, 85.0121, 80.7024.



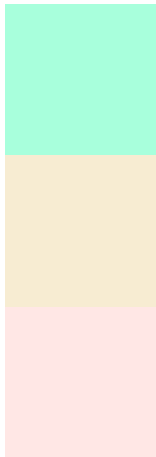
This preview shows how white text looks on a background with the XYZ color 64.8267, 85.0121,

80.7024.

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

64.8267, 85.0121, 80.7024

Protanopia

79.9861, 84.4182, 73.0514

Deuteranopia

83.9588, 84.0690, 85.9306



Tritanopia

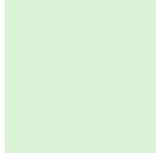
75.5542, 84.4430, 106.9247

Trichromacy



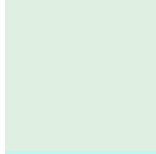
Original Color

64.8267, 85.0121, 80.7024



Protanomaly

73.1016, 83.8616, 75.9524



Deuteranomaly

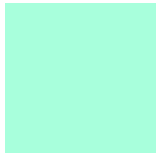
75.3190, 83.4991, 84.0987



Tritanomaly

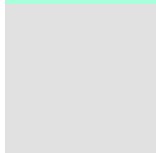
71.0260, 84.1388, 96.5013

Monochromacy



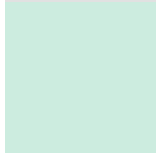
Original Color

64.8267, 85.0121, 80.7024



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.2166, 78.1560, 81.3023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8267, 85.0121, 80.7024 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(168, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 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(168, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 64.8267, 85.0121, 80.7024 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(168, 255, 220) }
```


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

```
.border{ border-color:rgb(168, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8267, 85.0121, 80.7024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 220) }
```

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

```
.background{ background-color: rgb(168,  
255, 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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