

# Converting Colors

XYZ(75.5210, 100.0000,  
86.6562)

Have a look what the booklet for  
XYZ(75.5210, 100.0000, 86.6562)  
contains.

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# Color

**XYZ(69.1178, 87.1466,  
84.4122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8FFE1
RGB	184, 255, 225
RGB Percent	72%, 100%, 88%
CMY	0.2784, 0.0000, 0.1176
CMYK	0.28, 0.00, 0.12, 0.00
HSL	155°, 100%, 86%
HSV	155°, 28%, 100%
XYZ	69.1178, 87.1466, 84.4122
YIQ	230.3510, -32.6860, -24.3820

# Conversions

## Conversions Part 2

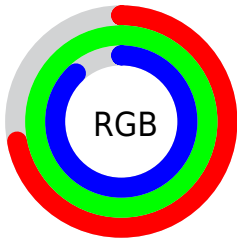
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 229, 255
Decimal	12124129
CIELab	94.80, -27.96, 7.31
CIELCh	95, 28.898, 165.356
Yxy	87.1466, 0.2872, 0.3621
Android (android.graphics.Color)	4290314209 (0xFFB8FFE1)
YUV	230.3510, -2.6380, -40.6498
Hunter-Lab	93.3523, -31.2057, 11.7347

# Details

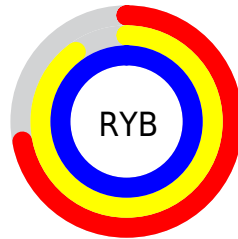
The XYZ color **69.1178, 87.1466, 84.4122** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.5187, 60.3971, 71.5598**, and the grayscale version is **75.5098, 79.4422, 86.5126**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **36.5030, 47.9576, 45.3630** is the 20% darker color. If you saturate the color by 10%, you get **62.1263, 83.7068, 76.6534**, and if you desaturate by 10%, it is **77.3047, 91.1919, 92.7139**.

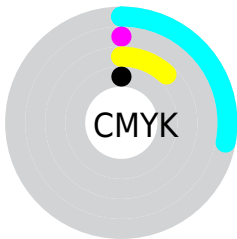
# Distribution



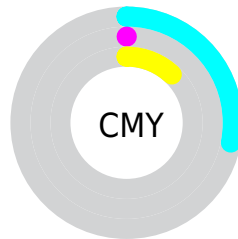
- Red (72%)
- Green (100%)
- Blue (88%)



- Red (72%)
- Yellow (90%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.1178, 87.1466, 84.4122 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 69.1178, 87.1466, 84.4122 by changing the saturation by 10% instead.



 69.1178, 87.1466,  
84.4122

 69.1178, 87.1466,  
84.4122


446.7612,  
518.7045, 529.7748

 51.0846, 65.6165,  
62.8085


 116.9830,  
143.3685, 141.4185

 36.4973, 47.9612,  
45.2463


147.5457,  
178.8290, 177.6581

 24.9904, 33.7961,  
31.3071


183.0156,  
219.7019, 219.6135

 16.1986, 22.7370,  
20.5724

223.7581,  
266.3715, 267.7031

 9.7565, 14.3995,  
12.6236

270.1386,  
319.2221, 322.3455

 5.2989, 8.3990,  
7.0422

322.5224,

 2.4602, 4.3513,

378.6382, 383.9592

3.4097

381.2748,  
445.0042, 452.9628

■ 0.8752, 1.8720,  
1.3074

■ 0.0000, 0.5314,  
0.0679

■ 69.1178, 87.1466,  
84.4122

■ 69.1178, 87.1466,  
84.4122

■ 62.1263, 83.7068,  
76.6534

■ 77.3047, 91.1919,  
92.7139

■ 56.2669, 80.8402,  
69.4216

■ 86.7410, 95.8703,  
101.5656

■ 51.4738, 78.5130,  
62.7060

95.0500, 100.0000,  
108.9000

■ 47.6735, 76.6874,  
56.4937

■ 44.7822, 75.3205,  
50.7712

■ 42.7015, 74.3619,  
45.5238

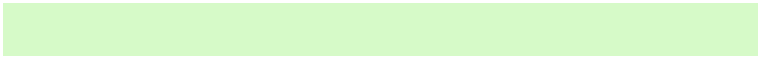
■ 41.3002, 73.7441,  
40.7351

■ 41.0466, 73.6346,  
39.7590

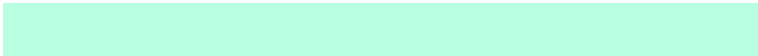
# Harmonies

## Analogous

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



72.5864, 87.1466, 67.7309



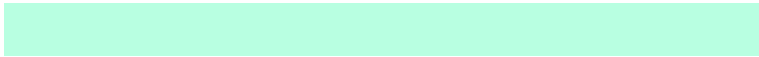
69.1178, 87.1466, 84.4122



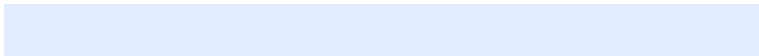
69.1606, 87.1466, 106.7540

# Triad

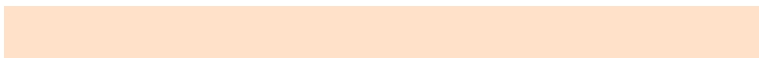
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.1178, 87.1466, 84.4122



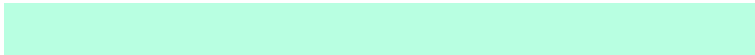
86.8761, 87.1466, 142.7640



93.8516, 87.1466, 67.4293

# Complementary

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



69.1178, 87.1466, 84.4122



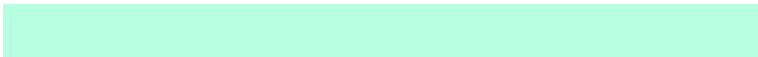
70.5187, 60.3971, 71.5598

# 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.



98.1918, 87.1466, 83.9352



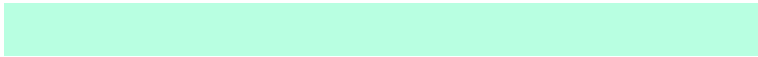
69.1178, 87.1466, 84.4122



93.9952, 87.1466, 128.4779

# Square

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



69.1178, 87.1466, 84.4122



79.0868, 87.1466, 142.9459



98.2460, 87.1466, 106.1962

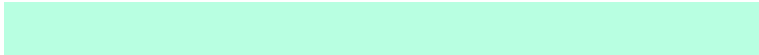


86.6900, 87.1466, 59.0252



# Rectangle

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



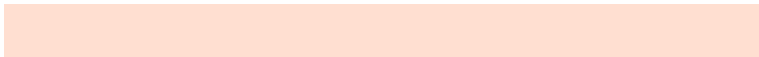
69.1178, 87.1466, 84.4122



71.1625, 87.1466, 122.0504



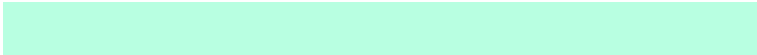
98.2460, 87.1466, 106.1962



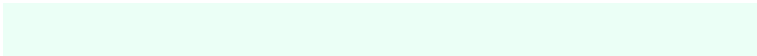
95.7083, 87.1466, 72.0876

# Sweetspot

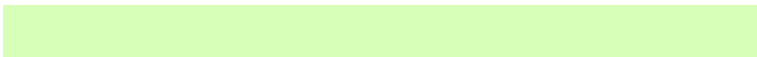
The Sweet Spot groups the original color and five complimentary colors.



69.1186, 87.1470, 84.4136



86.5821, 95.7914, 101.4215



72.3683, 89.3928, 58.7891



18.2114, 20.3441, 21.4160



0.0000, 0.0000, 0.0000

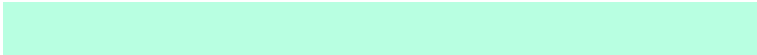


20.3446, 21.4041, 23.3091

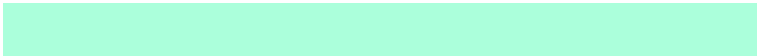


# Same Dimension

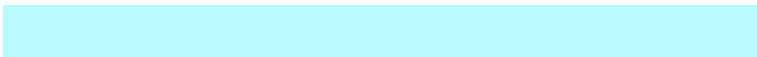
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.1186, 87.1470, 84.4136



65.3667, 85.2990, 80.3443



72.0863, 85.9478, 107.3980



18.2114, 20.3441, 21.4160



21.5240, 38.5062, 21.1765



2.1503, 3.7711, 2.3496



# Inverse Universe

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



70.5187, 60.3971, 71.5598



66.9645, 54.8051, 65.7001



68.0328, 61.0024, 53.5377



18.3278, 18.1144, 20.3434



23.0268, 11.7000, 8.7915

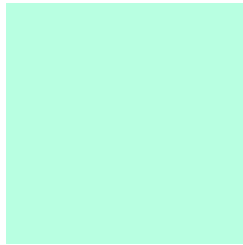


2.2952, 1.1605, 1.1360



# Previews

## White Background



This preview shows how the XYZ color 69.1178, 87.1466, 84.4122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

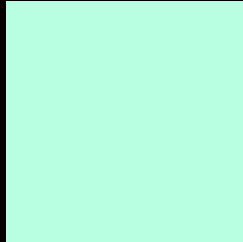
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.1178, 87.1466, 84.4122 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

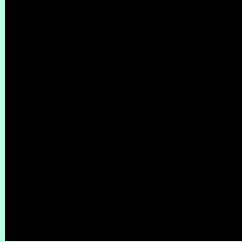
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

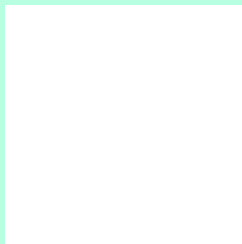
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.1178, 87.1466, 84.4122

## Background



This preview shows how black text looks on a background with the XYZ color 69.1178, 87.1466, 84.4122.



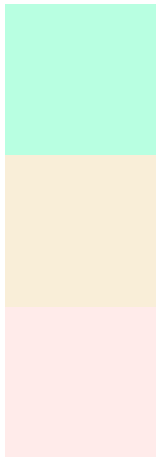
This preview shows how white text looks on a background with the XYZ color 69.1178, 87.1466,

84.4122.

# 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

69.1178, 87.1466, 84.4122

### Protanopia

82.0361, 86.2467, 77.2893

### Deuteranopia

85.7996, 86.6172, 90.0386



## Tritanopia

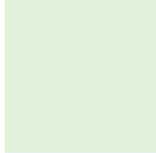
79.0160, 86.6731, 107.1727

# Trichromacy



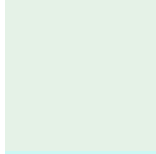
## Original Color

69.1178, 87.1466, 84.4122



## Protanomaly

76.1882, 85.8234, 79.5679



## Deuteranomaly

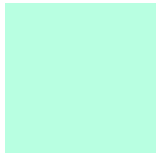
78.4890, 85.9318, 88.0510



## Tritanomaly

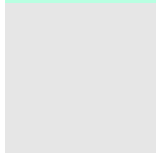
75.0734, 86.6456, 98.3554

# Monochromacy



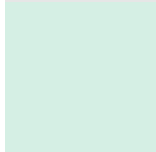
## Original Color

69.1178, 87.1466, 84.4122



## Achromatopsia

75.2129, 79.1298, 86.1723



## Achromatomaly

72.3107, 81.4806, 85.3149

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.1178, 87.1466, 84.4122 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(184, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 225)  
}
```

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(184, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 69.1178, 87.1466, 84.4122 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(184, 255, 225) }
```



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

```
.border{ border-color:rgb(184, 255, 225) }
```

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

Here you see how a box with a 4 pixel rgb(184, 255, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.1178, 87.1466, 84.4122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 225) }
```

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

```
.background{ background-color: rgb(184,  
255, 225) }
```

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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