

# Converting Colors

XYZ(75.6523, 100.0000,  
81.5899)

Have a look what the booklet for  
XYZ(75.6523, 100.0000, 81.5899)  
contains.

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# Color

**XYZ(69.4012, 87.4008,  
79.5419)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDFFDA
RGB	189, 255, 218
RGB Percent	74%, 100%, 85%
CMY	0.2588, 0.0000, 0.1451
CMYK	0.26, 0.00, 0.15, 0.00
HSL	146°, 100%, 87%
HSV	146°, 26%, 100%
XYZ	69.4012, 87.4008, 79.5419
YIQ	231.0480, -27.4590, -25.4990

# Conversions

## Conversions Part 2

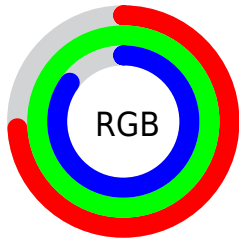
Format	Color
R <sub>YB</sub>	189, 235, 255
Decimal	12451802
CIE Lab	94.91, -27.81, 11.10
CIE LCh	95, 29.941, 158.250
Yxy	87.4008, 0.2936, 0.3698
Android (android.graphics.Color)	4290641882 (0xFFBDFFDA)
YUV	231.0480, -6.4327, -36.8761
Hunter-Lab	93.4884, -31.0950, 14.9967

# Details

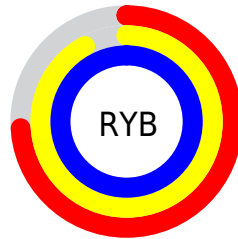
The XYZ color **69.4012, 87.4008, 79.5419** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.1655, 63.1471, 80.2840**, and the grayscale version is **76.0521, 80.0127, 87.1339**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **36.6365, 48.1008, 42.0038** is the 20% darker color. If you saturate the color by 10%, you get **61.8312, 83.7052, 69.8405**, and if you desaturate by 10%, it is **78.2461, 91.7349, 90.1480**.

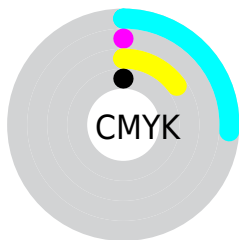
# Distribution



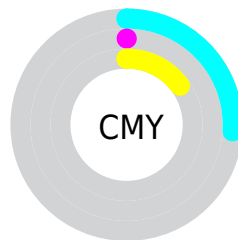
- Red (74%)
- Green (100%)
- Blue (85%)



- Red (74%)
- Yellow (92%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)



- Cyan (26%)
- Magenta (0%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4012, 87.4008, 79.5419 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 69.4012, 87.4008, 79.5419 by changing the saturation by 10% instead.





 69.4012, 87.4008,  
79.5419

 69.4012, 87.4008,  
79.5419


447.7440,  
519.5390, 513.0537

 51.3163, 65.8269,  
58.8175


 117.3854,  
143.7227, 134.5270

 36.6825, 48.1319,  
42.0472


148.0154,  
179.2394, 169.6249

 25.1343, 33.9314,  
28.8124


183.5578,  
220.1727, 210.3510

 16.3064, 22.8409,  
18.6946

224.3781,  
266.9067, 257.1238

 9.8335, 14.4761,  
11.2752

270.8414,  
319.8259, 310.3619

 5.3501, 8.4525,  
6.1358

323.3133,

 2.4910, 4.3858,

379.3148, 370.4839

2.8577

382.1590,  
445.7577, 437.9083

■ 0.8907, 1.8917,  
1.0224

■ 0.0000, 0.5434,  
0.0000

■ 69.4012, 87.4008,  
79.5419

■ 69.4012, 87.4008,  
79.5419

■ 61.8312, 83.7052,  
69.8405

■ 78.2461, 91.7349,  
90.1480

■ 55.4717, 80.6155,  
61.0155

■ 88.4215, 96.7359,  
101.6778

■ 50.2555, 78.0975,  
53.0431

95.0500, 100.0000,  
108.9000

■ 46.1080, 76.1133,  
45.8969

■ 42.9449, 74.6199,  
39.5490

■ 40.6683, 73.5674,  
33.9693

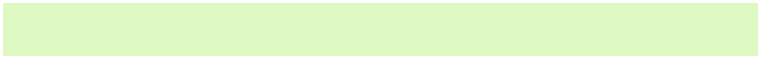
■ 39.1577, 72.8943,  
29.1258

■ 38.6873, 72.6909,  
27.3352

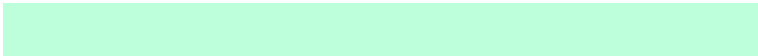
# Harmonies

## Analogous

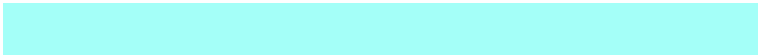
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7784, 87.4008, 64.1985



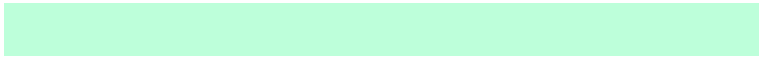
69.4012, 87.4008, 79.5419



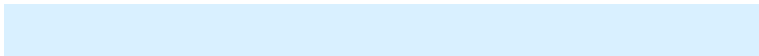
68.5621, 87.4008, 101.7239

# Triad

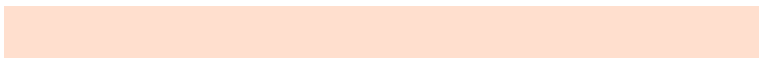
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.4012, 87.4008, 79.5419



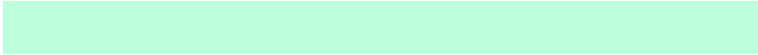
85.3317, 87.4008, 146.6144



95.9427, 87.4008, 70.0857

# Complementary

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



69.4012, 87.4008, 79.5419



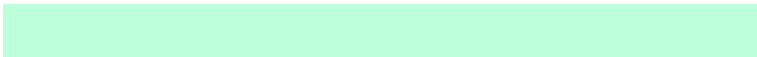
73.1655, 63.1471, 80.2840

# 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.



99.4965, 87.4008, 88.8935



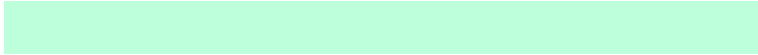
69.4012, 87.4008, 79.5419



93.1147, 87.4008, 134.7645

# Square

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



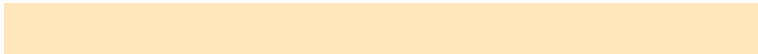
69.4012, 87.4008, 79.5419



77.4209, 87.4008, 143.0160



98.4292, 87.4008, 112.7097

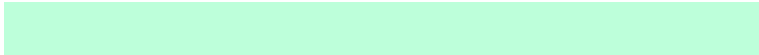


88.9912, 87.4008, 59.3901



# Rectangle

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



69.4012, 87.4008, 79.5419



70.0667, 87.4008, 117.9298



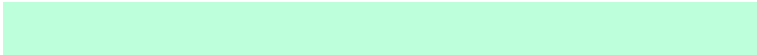
98.4292, 87.4008, 112.7097



97.5942, 87.4008, 75.5356

# Sweetspot

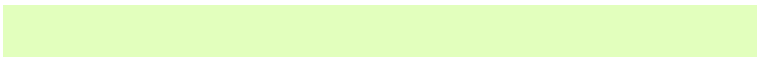
The Sweet Spot groups the original color and five complimentary colors.



69.4020, 87.4012, 79.5433



86.1520, 95.6193, 99.1569



76.4355, 91.4279, 61.7641



18.1031, 20.3008, 20.8460



0.0000, 0.0000, 0.0000

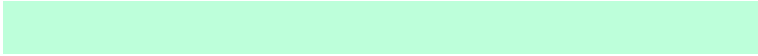


20.3446, 21.4041, 23.3091

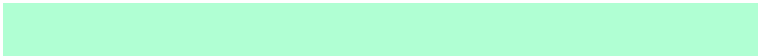


# Same Dimension

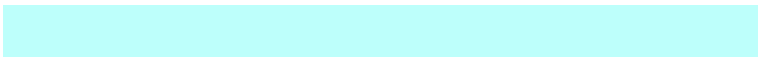
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.4020, 87.4012, 79.5433



65.3716, 85.4316, 74.4657



74.0964, 89.2789, 104.2639



18.1031, 20.3008, 20.8460



20.2870, 38.0114, 14.6627



2.0291, 3.7226, 1.7110



# Inverse Universe

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



73.1655, 63.1471, 80.2840



69.7089, 57.4724, 75.3135



69.1086, 61.5243, 58.9205



18.4358, 18.1576, 20.9122



24.2139, 12.1748, 15.0426

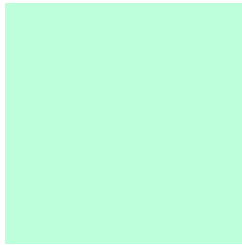


2.4126, 1.2074, 1.7540



# Previews

## White Background



This preview shows how the XYZ color 69.4012, 87.4008, 79.5419 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

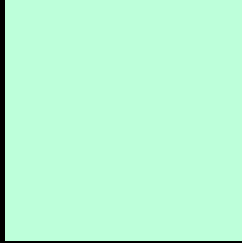
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.4012, 87.4008, 79.5419 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

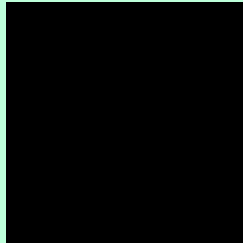
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.4012, 87.4008, 79.5419

## Background



This preview shows how black text looks on a background with the XYZ color 69.4012, 87.4008, 79.5419.



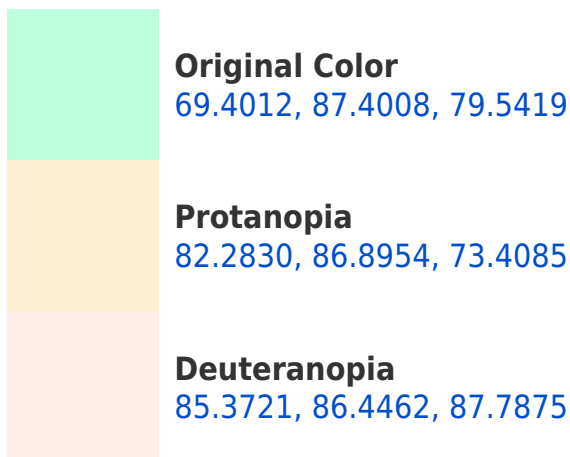
This preview shows how white text looks on a background with the XYZ color 69.4012, 87.4008,

79.5419.

# 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

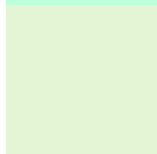
79.6141, 86.9814, 107.2007

# Trichromacy



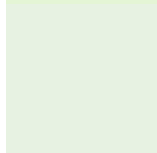
## Original Color

69.4012, 87.4008, 79.5419



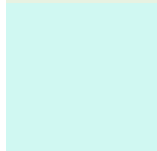
## Protanomaly

76.6576, 86.6029, 75.6265



## Deuteranomaly

78.4346, 85.9842, 84.4142



## Tritanomaly

75.6068, 86.9555, 96.8036

# Monochromacy



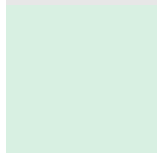
## Original Color

69.4012, 87.4008, 79.5419



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

73.2065, 82.4101, 83.9999

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.4012, 87.4008, 79.5419 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(189, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 218)  
}
```

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(189, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 69.4012, 87.4008, 79.5419 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".

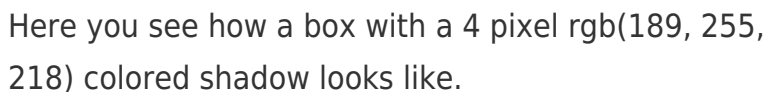
```
.border, #border, table{ border:4px solid rgb(189, 255, 218) }
```



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

```
.border{ border-color:rgb(189, 255, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 255, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 255, 218); box-shadow:4px 4px 4px 4px rgb(189, 255, 218) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.4012, 87.4008, 79.5419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 218) }
```

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

```
.background{ background-color: rgb(189,  
255, 218) }
```

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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