

Converting Colors

XYZ(78.9366, 106.8721,
74.7576)

Have a look what the booklet for
XYZ(78.9366, 106.8721, 74.7576)
contains.

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Color

**XYZ(69.1487, 87.4456,
71.6267)**

Conversions

Conversions Part 1

Format	Color
Hex	C2FFCE
RGB	194, 255, 206
RGB Percent	76%, 100%, 81%
CMY	0.2392, 0.0000, 0.1921
CMYK	0.24, 0.00, 0.19, 0.00
HSL	132°, 100%, 88%
HSV	132°, 24%, 100%
XYZ	69.1487, 87.4456, 71.6267
YIQ	231.1750, -20.6270, -28.1710

Conversions

Conversions Part 2

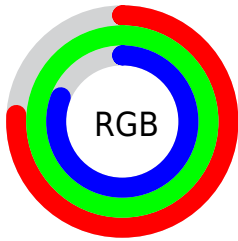
Format	Color
RYB	194, 245, 255
Decimal	12779470
CIELab	94.93, -28.44, 17.31
CIELCh	95, 33.293, 148.668
Yxy	87.4456, 0.3030, 0.3832
Android (android.graphics.Color)	4290969550 (0xFFC2FFCE)
YUV	231.1750, -12.4113, -32.6025
Hunter-Lab	93.5124, -31.6529, 20.0449

Details

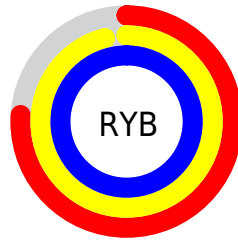
The XYZ color **69.1487, 87.4456, 71.6267** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.7097, 66.3152, 93.5505**, and the grayscale version is **76.1860, 80.1536, 87.2873**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **36.5090, 48.1441, 37.0743** is the 20% darker color. If you saturate the color by 10%, you get **60.8273, 83.4247, 59.0834**, and if you desaturate by 10%, it is **78.9187, 92.1756, 85.9334**.

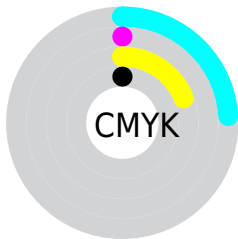
Distribution



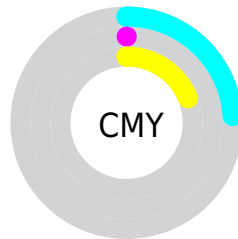
- Red (76%)
- Green (100%)
- Blue (81%)



- Red (76%)
- Yellow (96%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.1487, 87.4456, 71.6267 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 69.1487, 87.4456, 71.6267 by changing the saturation by 10% instead.


 69.1487, 87.4456,
71.6267

 69.1487, 87.4456,
71.6267


446.8684,
519.6860, 485.1838

 51.1099, 65.8640,
52.3688


 117.0268,
143.7851, 123.2284

 36.5175, 48.1620,
36.9149


147.5969,
179.3118, 156.4093

 25.0061, 33.9552,
24.8463


183.0748,
220.2556, 195.0684

 16.2103, 22.8592,
15.7446

223.8258,
267.0010, 239.6240

 9.7649, 14.4896,
9.1912

270.2153,
319.9323, 290.4949

 5.3044, 8.4620,
4.7676

322.6087,

 2.4636, 4.3919,

379.4340, 348.0994

2.0552

381.3713,
445.8904, 412.8562

■ 0.8769, 1.8951,
0.5889

■ 0.0000, 0.5455,
0.0000

■ 69.1487, 87.4456,
71.6267

■ 69.1487, 87.4456,
71.6267

■ 60.8273, 83.4247,
59.0834

■ 78.9187, 92.1756,
85.9334

■ 53.8827, 80.0777,
48.2310

■ 90.2003, 97.6462,
102.0637

■ 48.2401, 77.3673,
38.9984

95.0500, 100.0000,
108.9000

■ 43.8163, 75.2524,
31.3076

■ 40.5184, 73.6868,
25.0742

■ 38.2398, 72.6176,
20.2056

■ 36.8519, 71.9805,
16.5984

■ 36.3394, 71.7517,
14.9709

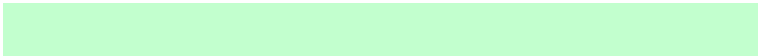
Harmonies

Analogous

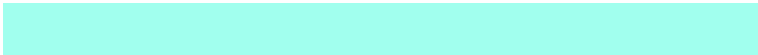
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0603, 87.4456, 57.9091



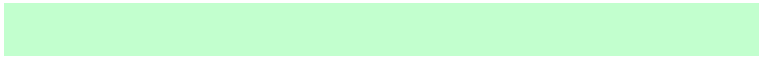
69.1487, 87.4456, 71.6267



66.9371, 87.4456, 94.0620

Triad

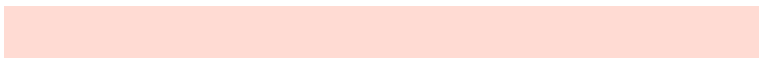
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.1487, 87.4456, 71.6267



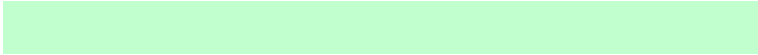
82.7114, 87.4456, 154.0775



99.2981, 87.4456, 73.2958

Complementary

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



69.1487, 87.4456, 71.6267



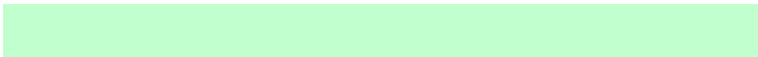
76.7097, 66.3152, 93.5505

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.



101.7084, 87.4456, 96.3742



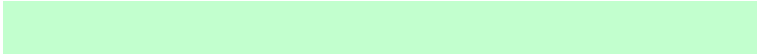
69.1487, 87.4456, 71.6267



91.7250, 87.4456, 145.8456

Square

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



69.1487, 87.4456, 71.6267



74.4090, 87.4456, 144.3147



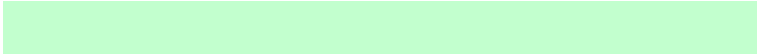
98.8443, 87.4456, 123.4813



92.4737, 87.4456, 58.7429

Rectangle

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



69.1487, 87.4456, 71.6267



67.7268, 87.4456, 112.0325



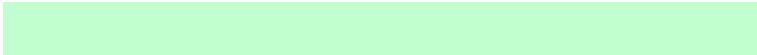
98.8443, 87.4456, 123.4813



100.6723, 87.4456, 80.1680

Sweetspot

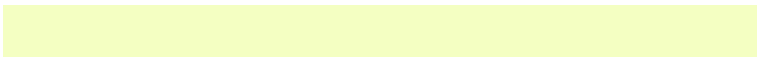
The Sweet Spot groups the original color and five complimentary colors.



69.1493, 87.4459, 71.6281



86.5619, 95.8810, 96.8990



82.7425, 94.6155, 64.9414



18.3788, 20.4502, 20.5281



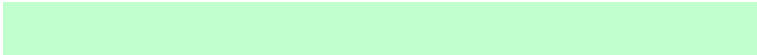
0.0000, 0.0000, 0.0000



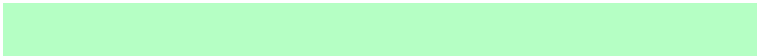
20.3446, 21.4041, 23.3091

Same Dimension

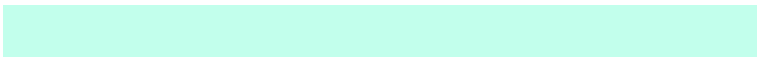
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.1493, 87.4459, 71.6281



64.7460, 85.3171, 65.0408



73.1029, 89.0273, 92.4473



17.9176, 20.2266, 19.8692



19.0292, 37.5083, 8.0391



1.8891, 3.6665, 0.9736

Inverse Universe

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



76.7097, 66.3152, 93.5505



73.5694, 60.6462, 90.6183



72.5827, 64.6644, 71.8183



18.6305, 18.2355, 21.9371



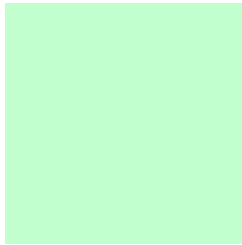
27.3502, 13.4294, 31.5585



2.7003, 1.3225, 3.2690

Previews

White Background



This preview shows how the XYZ color 69.1487, 87.4456, 71.6267 looks on a white background.

Color Contrast Check

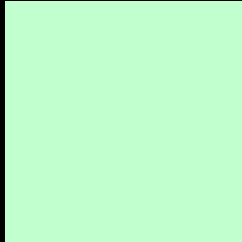
Large Text (above 18pt) WCAG AA × Fail

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 69.1487, 87.4456, 71.6267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

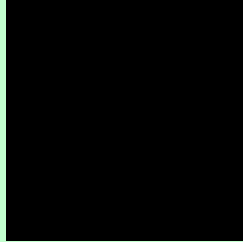
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

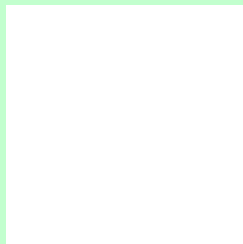
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.1487, 87.4456, 71.6267

Background



This preview shows how black text looks on a background with the XYZ color 69.1487, 87.4456, 71.6267.



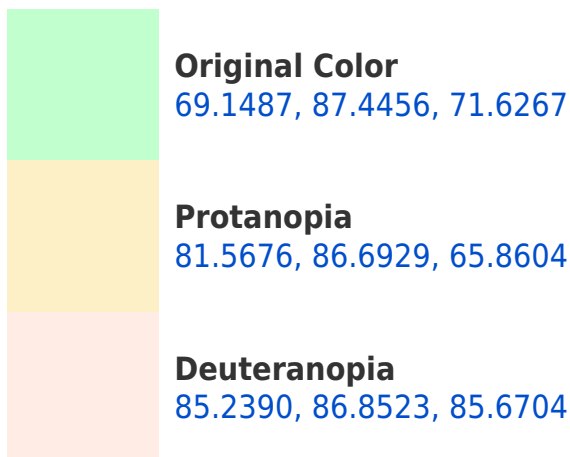
This preview shows how white text looks on a background with the XYZ color 69.1487, 87.4456,

71.6267.

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

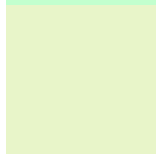
80.2195, 87.2935, 107.2291

Trichromacy



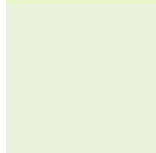
Original Color

69.1487, 87.4456, 71.6267



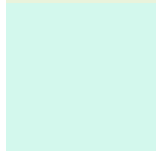
Protanomaly

76.4737, 86.6777, 67.9582



Deuteranomaly

78.5731, 86.5921, 80.2829



Tritanomaly

75.7174, 87.0981, 92.9416

Monochromacy



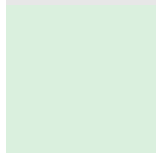
Original Color

69.1487, 87.4456, 71.6267



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.2583, 82.4995, 81.1701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1487, 87.4456, 71.6267 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(194, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 206)  
}
```

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(194, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 206) }
```

Border

The CSS property to change the border of an element to XYZ 69.1487, 87.4456, 71.6267 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(194, 255, 206) }
```


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

```
.border{ border-color:rgb(194, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1487, 87.4456, 71.6267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 206) }
```

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

```
.background{ background-color: rgb(194,  
255, 206) }
```

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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