

Converting Colors

XYZ(78.1137, 105.6867,
67.9306)

Have a look what the booklet for
XYZ(78.1137, 105.6867, 67.9306)
contains.

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Color

**XYZ(69.1635, 87.6022,
64.8934)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFC3
RGB	199, 255, 195
RGB Percent	78%, 100%, 76%
CMY	0.2196, 0.0000, 0.2353
CMYK	0.22, 0.00, 0.24, 0.00
HSL	116°, 100%, 88%
HSV	116°, 24%, 100%
XYZ	69.1635, 87.6022, 64.8934
YIQ	231.4160, -14.1160, -30.5320

Conversions

Conversions Part 2

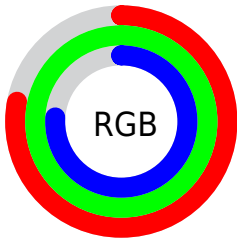
Format	Color
RYB	195, 255, 251
Decimal	13107139
CIELab	94.99, -28.69, 23.06
CIElCh	95, 36.808, 141.213
Yxy	87.6022, 0.3120, 0.3952
Android (android.graphics.Color)	4291297219 (0xFFC7FFC3)
YUV	231.4160, -17.9531, -28.4288
Hunter-Lab	93.5960, -31.8892, 24.4094

Details

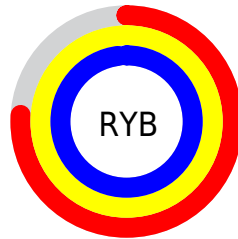
The XYZ color **69.1635, 87.6022, 64.8934** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.3497, 66.7607, 103.4171**, and the grayscale version is **76.4023, 80.3812, 87.5351**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **36.5034, 48.2405, 32.5867** is the 20% darker color. If you saturate the color by 10%, you get **60.6930, 83.5407, 50.7099**, and if you desaturate by 10%, it is **79.1152, 92.3704, 81.7189**.

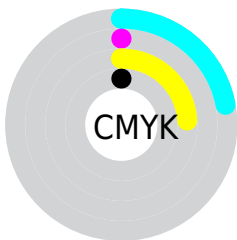
Distribution



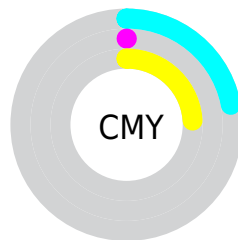
- Red (78%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (98%)



- Cyan (22%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.1635, 87.6022, 64.8934 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 69.1635, 87.6022, 64.8934 by changing the saturation by 10% instead.

 69.1635, 87.6022,
64.8934

 69.1635, 87.6022,
64.8934


446.9198,
520.1996, 460.7045

 51.1220, 65.9937,
46.9239


117.0479,
144.0032, 113.5084

 36.5271, 48.2673,
32.6215


147.6214,
179.5645, 144.9909

 25.0136, 34.0386,
21.5679

183.1031,
220.5454, 181.8149

 16.2160, 22.9232,
13.3445

223.8581,
267.3305, 224.3987

 9.7689, 14.5368,
7.5327

270.2520,
320.3041, 273.1611

 5.3071, 8.4950,
3.7140

322.6500,

 2.4652, 4.4133,

379.8505, 328.5205

1.4698

381.4175,
446.3542, 390.8954

■ 0.8777, 1.9073,
0.1953

■ 0.0000, 0.5528,
0.0000

■ 69.1635, 87.6022,
64.8934

■ 69.1635, 87.6022,
64.8934

■ 60.6930, 83.5407,
50.7099

■ 79.1152, 92.3704,
81.7189

■ 53.6312, 80.1514,
39.0306

■ 90.6125, 97.8758,
101.3068

■ 47.9020, 77.3982,
29.7111

95.0500, 100.0000,
108.9000

■ 43.4216, 75.2414,
22.5910

■ 40.0965, 73.6367,
17.4896

■ 37.8200, 72.5337,
14.1978

■ 36.4654, 71.8724,
12.4610

■ 35.9911, 71.6391,
11.9308

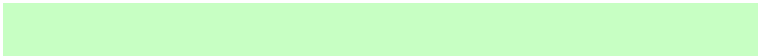
Harmonies

Analogous

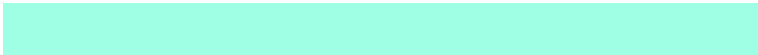
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5012, 87.6022, 52.7246



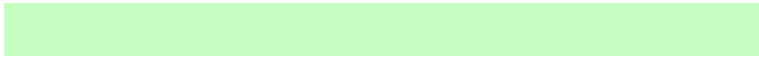
69.1635, 87.6022, 64.8934



65.6782, 87.6022, 87.2209

Triad

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



69.1635, 87.6022, 64.8934



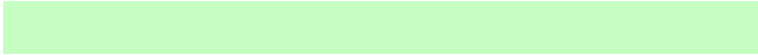
80.3619, 87.6022, 160.7716



102.4949, 87.6022, 76.8224

Complementary

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



69.1635, 87.6022, 64.8934



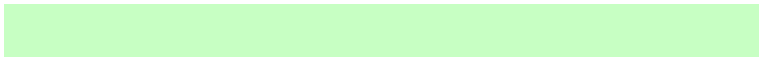
77.3497, 66.7607, 103.4171

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.



103.7365, 87.6022, 104.0410



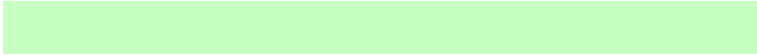
69.1635, 87.6022, 64.8934



90.4125, 87.6022, 156.4439

Square

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



69.1635, 87.6022, 64.8934



71.7955, 87.6022, 145.0397



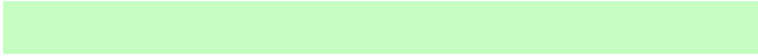
99.1598, 87.6022, 134.1827



95.8914, 87.6022, 58.5925

Rectangle

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



69.1635, 87.6022, 64.8934



65.7989, 87.6022, 106.4922



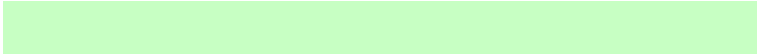
99.1598, 87.6022, 134.1827



103.5729, 87.6022, 85.0762

Sweetspot

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



69.1641, 87.6025, 64.8948



86.4421, 95.8792, 94.1863



85.5878, 94.1947, 65.3016



18.3511, 20.4498, 19.9022



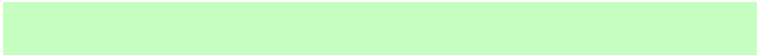
0.0000, 0.0000, 0.0000



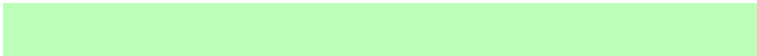
20.3446, 21.4041, 23.3091

Same Dimension

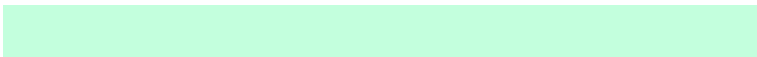
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.1641, 87.6025, 64.8948



65.1974, 85.7010, 58.2335



71.3176, 88.3429, 81.7006



17.8836, 20.2259, 19.1058



18.8476, 37.4544, 6.2361



1.8725, 3.6661, 0.6089

Inverse Universe

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



77.3497, 66.7607, 103.4171



74.6183, 61.7036, 102.5849



74.8986, 65.9484, 82.9112



18.6661, 18.2351, 22.7859



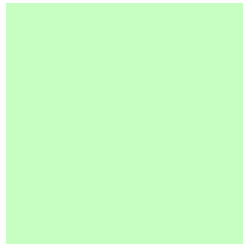
27.9072, 13.2972, 50.5303



2.7518, 1.3125, 4.9216

Previews

White Background



This preview shows how the XYZ color 69.1635, 87.6022, 64.8934 looks on a white background.

Color Contrast Check

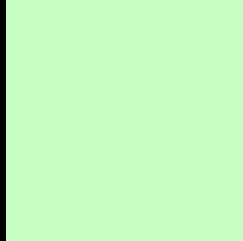
Large Text (above 18pt) WCAG AA × Fail

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 69.1635, 87.6022, 64.8934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

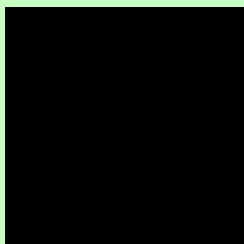
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

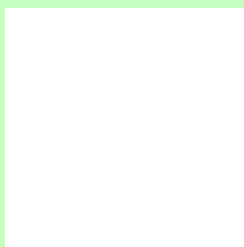
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.1635, 87.6022, 64.8934

Background



This preview shows how black text looks on a background with the XYZ color 69.1635, 87.6022, 64.8934.



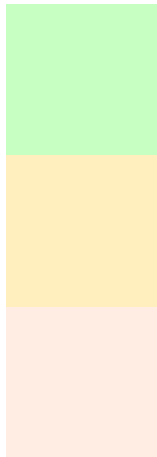
This preview shows how white text looks on a background with the XYZ color 69.1635, 87.6022,

64.8934.

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

69.1635, 87.6022, 64.8934

Protanopia

81.4008, 86.7107, 61.1618

Deuteranopia

84.9629, 86.7419, 84.2163



Tritanopia

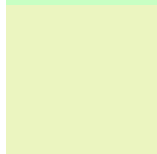
80.8411, 87.1685, 107.1722

Trichromacy



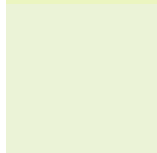
Original Color

69.1635, 87.6022, 64.8934



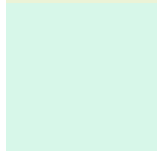
Protanomaly

76.4278, 86.7728, 62.5898



Deuteranomaly

78.5773, 86.6696, 76.8774



Tritanomaly

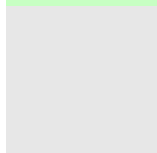
75.9931, 86.8518, 89.8496

Monochromacy



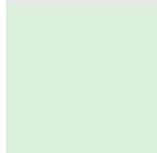
Original Color

69.1635, 87.6022, 64.8934



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.0284, 82.4422, 78.3936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1635, 87.6022, 64.8934 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(199, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 195)  
}
```

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(199, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 195) }
```

Border

The CSS property to change the border of an element to XYZ 69.1635, 87.6022, 64.8934 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(199, 255, 195) }
```


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

```
.border{ border-color:rgb(199, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1635, 87.6022, 64.8934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 195) }
```

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

```
.background{ background-color: rgb(199,  
255, 195) }
```

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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