

Converting Colors

XYZ(69.1595, 87.8040, 55.6859)

Have a look what the booklet for
XYZ(69.1595, 87.8040, 55.6859)
contains.

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Color

**XYZ(69.0735, 87.7538,
55.9454)**

Conversions

Conversions Part 1

Format	Color
Hex	CDFFB3
RGB	205, 255, 179
RGB Percent	80%, 100%, 70%
CMY	0.1961, 0.0000, 0.2980
CMYK	0.20, 0.00, 0.30, 0.00
HSL	99°, 100%, 85%
HSV	99°, 30%, 100%
XYZ	69.0735, 87.7538, 55.9454
YIQ	231.3860, -5.4040, -34.2360

Conversions

Conversions Part 2

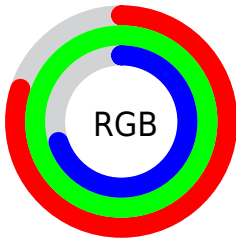
Format	Color
RYB	179, 255, 229
Decimal	13500339
CIELab	95.06, -29.16, 31.29
CIElCh	95, 42.772, 132.985
Yxy	87.7538, 0.3246, 0.4124
Android (android.graphics.Color)	4291690419 (0xFFCDDFB3)
YUV	231.3860, -25.8263, -23.1405
Hunter-Lab	93.6770, -32.3163, 30.1650

Details

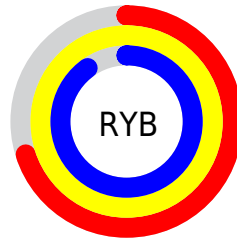
The XYZ color **69.0735, 87.7538, 55.9454** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.4842, 56.1194, 101.9358**, and the grayscale version is **76.4321, 80.4125, 87.5692**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **36.5377, 48.3786, 27.1509** is the 20% darker color. If you saturate the color by 10%, you get **62.3457, 84.5564, 43.3901**, and if you desaturate by 10%, it is **76.7755, 91.3982, 71.0383**.

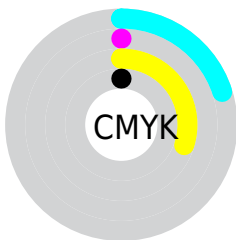
Distribution



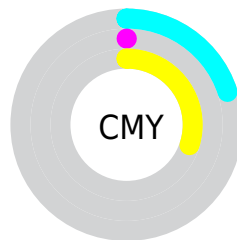
- Red (80%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (90%)



- Cyan (20%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0735, 87.7538, 55.9454 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 69.0735, 87.7538, 55.9454 by changing the saturation by 10% instead.


 69.0735, 87.7538,
55.9454

 69.0735, 87.7538,
55.9454


446.6075,
520.6966, 426.8682

 51.0484, 66.1192,
39.7554


 116.9200,
144.2143, 100.4097

 36.4684, 48.3692,
27.0356


147.4722,
179.8091, 129.5212

 24.9679, 34.1193,
17.3673


182.9308,
220.8260, 163.7769

 16.1818, 22.9853,
10.3320

223.6612,
267.6494, 203.5954

 9.7445, 14.5826,
5.5111

270.0287,
320.6638, 249.3953

 5.2909, 8.5270,
2.4862

322.3987,

 2.4554, 4.4340,

380.2535, 301.5950

0.8329

381.1365,
446.8030, 360.6131

■ 0.8728, 1.9192,
0.0000

■ 0.0000, 0.5599,
0.0000

■ 69.0735, 87.7538,
55.9454

■ 69.0735, 87.7538,
55.9454

■ 62.3457, 84.5564,
43.3901

■ 76.7755, 91.3982,
71.0383

■ 56.5487, 81.7869,
33.2289

■ 85.4894, 95.5065,
88.7935

■ 51.6378, 79.4254,
25.3104

95.0500, 100.0000,
108.9000

■ 47.5634, 77.4501,
19.4641

■ 44.2704, 75.8369,
15.4951

■ 41.6951, 74.5581,
13.1710

■ 39.7462, 73.5746,
12.1209

■ 39.7124, 73.5575,
12.1050

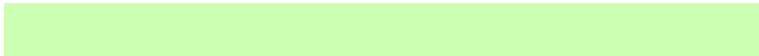
Harmonies

Analogous

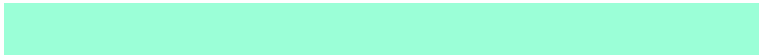
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4839, 87.7538, 45.7509



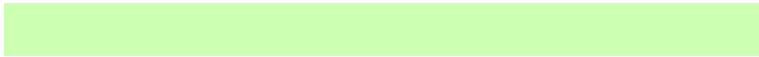
69.0735, 87.7538, 55.9454



63.8028, 87.7538, 78.0100

Triad

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



69.0735, 87.7538, 55.9454



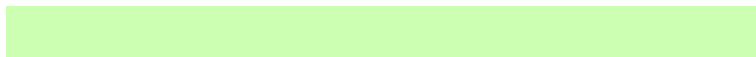
77.0345, 87.7538, 170.7868



107.1454, 87.7538, 81.8717

Complementary

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



69.0735, 87.7538, 55.9454



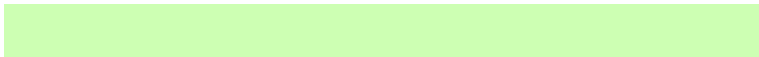
66.4842, 56.1194, 101.9358

Split Complementary

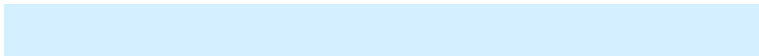
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.6652, 87.7538, 115.5375



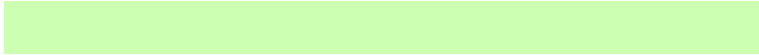
69.0735, 87.7538, 55.9454



88.5325, 87.7538, 172.5092

Square

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



69.0735, 87.7538, 55.9454



68.0976, 87.7538, 146.1921



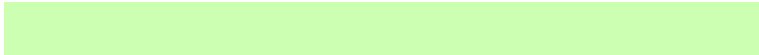
99.5985, 87.7538, 150.4611



100.8552, 87.7538, 58.2037

Rectangle

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



69.0735, 87.7538, 55.9454



63.0129, 87.7538, 98.9221



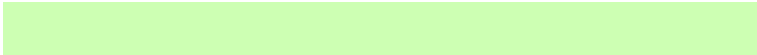
99.5985, 87.7538, 150.4611



107.7864, 87.7538, 92.2534

Sweetspot

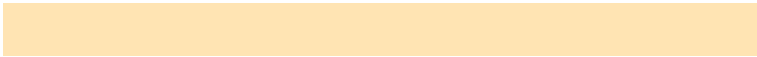
The Sweet Spot groups the original color and five complimentary colors.



69.0740, 87.7540, 55.9467



86.2342, 95.8570, 90.3384



77.2307, 80.2224, 54.0631



18.1699, 20.3819, 18.7398



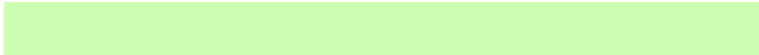
0.0000, 0.0000, 0.0000



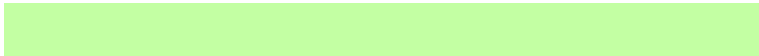
20.3446, 21.4041, 23.3091

Same Dimension

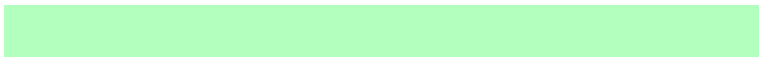
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.0740, 87.7540, 55.9467



64.7924, 85.7210, 47.8752



63.6892, 84.8393, 61.9647



18.3573, 20.4701, 19.1279



20.8936, 38.5091, 6.3318



2.1460, 3.8071, 0.6217

Inverse Universe

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



66.4842, 56.1194, 101.9358



61.7980, 49.2682, 100.8604



73.6291, 60.0085, 92.9723



18.1539, 17.9711, 22.7619



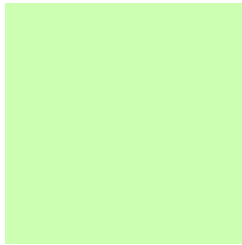
18.0098, 8.1949, 50.0671



1.8708, 0.8583, 4.8803

Previews

White Background



This preview shows how the XYZ color 69.0735, 87.7538, 55.9454 looks on a white background.

Color Contrast Check

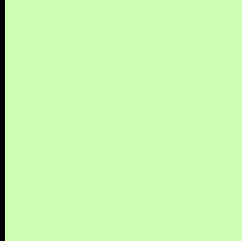
Large Text (above 18pt) WCAG AA × Fail

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 69.0735, 87.7538, 55.9454 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

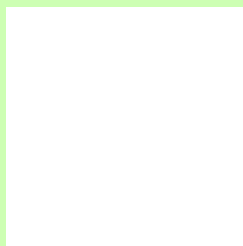
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.0735, 87.7538, 55.9454

Background



This preview shows how black text looks on a background with the XYZ color 69.0735, 87.7538, 55.9454.

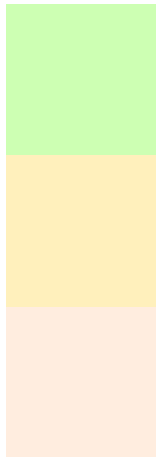


This preview shows how white text looks on a background with the XYZ color 69.0735, 87.7538,

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

69.0735, 87.7538, 55.9454

Protanopia

81.4772, 87.2110, 60.1161

Deuteranopia

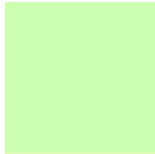
84.8435, 87.1561, 82.1631



Tritanopia

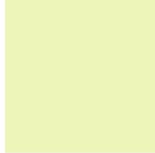
81.7791, 87.6521, 107.2161

Trichromacy



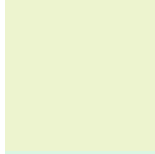
Original Color

69.0735, 87.7538, 55.9454



Protanomaly

76.3344, 86.8121, 58.6321



Deuteranomaly

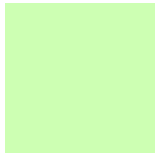
78.5382, 87.2109, 71.7255



Tritanomaly

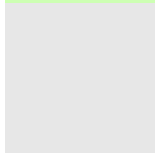
76.3393, 87.1276, 85.4669

Monochromacy



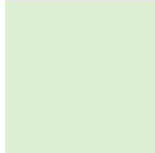
Original Color

69.0735, 87.7538, 55.9454



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.1680, 82.6032, 74.3750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0735, 87.7538, 55.9454 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(205, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 179)  
}
```

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(205, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 69.0735, 87.7538, 55.9454 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(205, 255, 179) }
```


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

```
.border{ border-color:rgb(205, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0735, 87.7538, 55.9454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 179) }
```

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

```
.background{ background-color: rgb(205,  
255, 179) }
```

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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