

Converting Colors

XYZ(107.9736, 168.1163,
65.0010)

Have a look what the booklet for
XYZ(107.9736, 168.1163, 65.0010)
contains.

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Color

**XYZ(67.3728, 86.9788,
51.2679)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFAA
RGB	202, 255, 170
RGB Percent	79%, 100%, 67%
CMY	0.2078, 0.0000, 0.3333
CMYK	0.21, 0.00, 0.33, 0.00
HSL	97°, 100%, 83%
HSV	97°, 33%, 100%
XYZ	67.3728, 86.9788, 51.2679
YIQ	229.4630, -4.3030, -37.6710

Conversions

Conversions Part 2

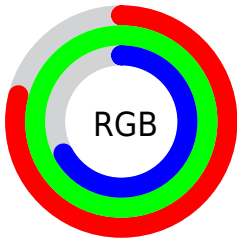
Format	Color
RYB	170, 255, 223
Decimal	13303722
CIELab	94.73, -31.47, 35.32
CIELCh	95, 47.305, 131.701
Yxy	86.9788, 0.3277, 0.4230
Android (android.graphics.Color)	4291493802 (0xFFCAFFAA)
YUV	229.4630, -29.3153, -24.0851
Hunter-Lab	93.2624, -34.2608, 32.6910

Details

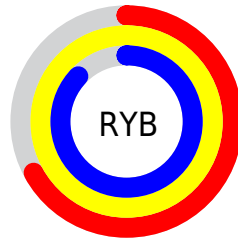
The XYZ color **67.3728, 86.9788, 51.2679** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62.8573, 51.6587, 101.2659**, and the grayscale version is **75.0284, 78.9357, 85.9610**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **35.4376, 47.8756, 24.2028** is the 20% darker color. If you saturate the color by 10%, you get **61.1066, 84.0007, 39.5805**, and if you desaturate by 10%, it is **74.5511, 90.3731, 65.4427**.

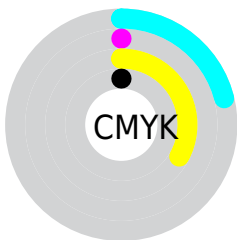
Distribution



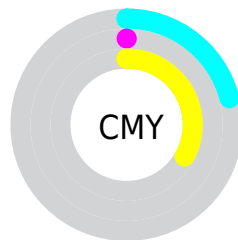
- Red (79%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (87%)



- Cyan (21%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.3728, 86.9788, 51.2679 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 67.3728, 86.9788, 51.2679 by changing the saturation by 10% instead.


 67.3728, 86.9788,
51.2679

 67.3728, 86.9788,
51.2679


440.6822,
518.1532, 408.4800

 49.6595, 65.4777,
36.0437


 114.5013,
143.1346, 93.4662

 35.3596, 47.8485,
24.1780


144.6471,
178.5580, 121.2773

 24.1078, 33.7069,
15.2523

179.6679,
219.3910, 154.1212

 15.5388, 22.6685,
8.8480

219.9289,
266.0180, 192.4163

 9.2871, 14.3490,
4.5467

265.7954,
318.8233, 236.5812

 4.9876, 8.3638,
1.9298

317.6329,

 2.2746, 4.3286,

378.1913, 287.0344

0.5116

375.8068,
444.5065, 344.1945

■ 0.7816, 1.8590,
0.0000

■ 0.0000, 0.5236,
0.0000

■ 67.3728, 86.9788,
51.2679

■ 67.3728, 86.9788,
51.2679

■ 61.1066, 84.0007,
39.5805

■ 74.5511, 90.3731,
65.4427

■ 55.7108, 81.4203,
30.2330

■ 82.6780, 94.1994,
82.2332

■ 51.1417, 79.2187,
23.0683

■ 91.7893, 98.4736,
101.7633

■ 47.3509, 77.3748,
17.9084

95.0500, 100.0000,
108.9000

■ 44.2839, 75.8649,
14.5473

■ 41.8765, 74.6615,
12.7344

■ 40.5836, 74.0066,
12.1457

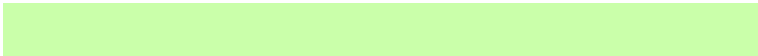
Harmonies

Analogous

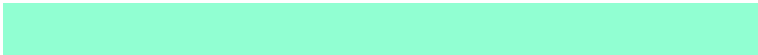
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7851, 86.9788, 41.1428



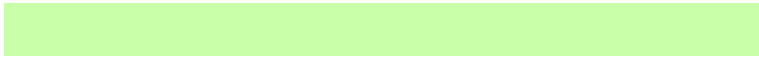
67.3728, 86.9788, 51.2679



61.4599, 86.9788, 74.2766

Triad

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



67.3728, 86.9788, 51.2679



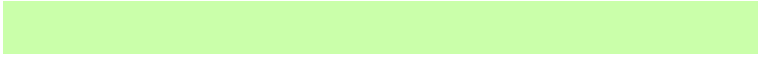
75.1905, 86.9788, 178.5006



109.1527, 86.9788, 81.1335

Complementary

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



67.3728, 86.9788, 51.2679



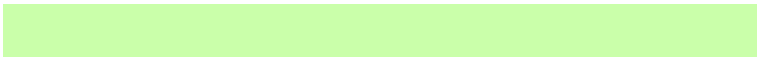
62.8573, 51.6587, 101.2659

Split Complementary

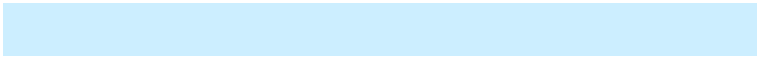
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.2738, 86.9788, 118.5728



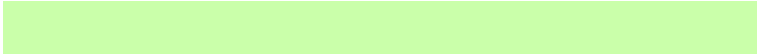
67.3728, 86.9788, 51.2679



87.7568, 86.9788, 181.7196

Square

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



67.3728, 86.9788, 51.2679



65.6424, 86.9788, 149.6810



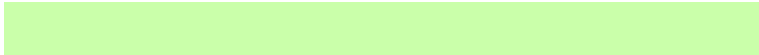
100.1250, 86.9788, 157.5902



102.4153, 86.9788, 55.1684

Rectangle

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



67.3728, 86.9788, 51.2679



60.4542, 86.9788, 96.8101



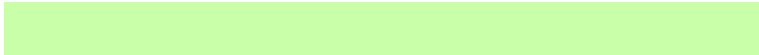
100.1250, 86.9788, 157.5902



109.7556, 86.9788, 92.6308

Sweetspot

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



67.3732, 86.9790, 51.2692



85.6031, 95.5732, 88.4310



74.7283, 76.6271, 48.8834



18.0557, 20.3313, 18.3604



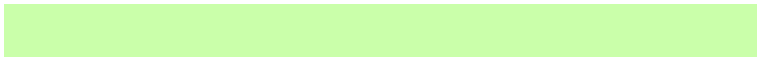
0.0000, 0.0000, 0.0000



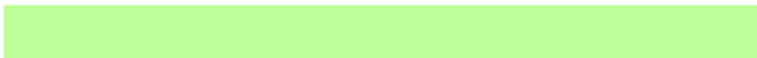
20.3446, 21.4041, 23.3091

Same Dimension

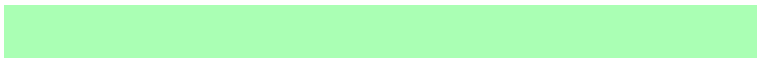
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.3732, 86.9790, 51.2692



63.0961, 84.9481, 43.2081



60.5681, 83.3583, 56.0343



18.4177, 20.5012, 19.1308



21.3577, 38.7484, 6.3535



2.1960, 3.8328, 0.6241

Inverse Universe

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



62.8573, 51.6587, 101.2659



57.9381, 44.6931, 100.1807



72.1094, 56.6081, 93.5790



18.0913, 17.9388, 22.7590



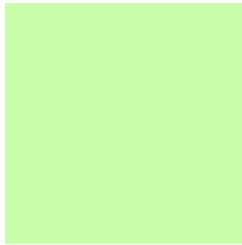
17.0739, 7.7124, 50.0233



1.7837, 0.8135, 4.8763

Previews

White Background



This preview shows how the XYZ color 67.3728, 86.9788, 51.2679 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 67.3728, 86.9788, 51.2679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

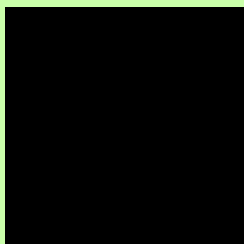
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

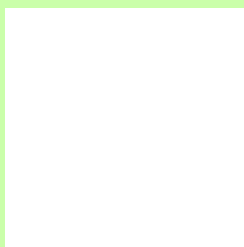
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.3728, 86.9788, 51.2679

Background



This preview shows how black text looks on a background with the XYZ color 67.3728, 86.9788, 51.2679.



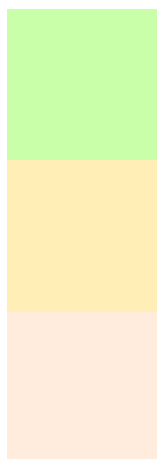
This preview shows how white text looks on a background with the XYZ color 67.3728, 86.9788,

51.2679.

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

67.3728, 86.9788, 51.2679

Protanopia

80.5500, 86.3704, 56.6817

Deuteranopia

84.1537, 86.4182, 79.9552



Tritanopia

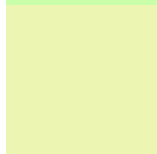
80.8535, 86.7318, 107.0872

Trichromacy



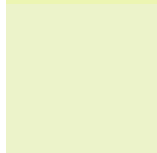
Original Color

67.3728, 86.9788, 51.2679



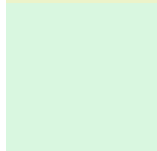
Protanomaly

75.2804, 86.3520, 54.8194



Deuteranomaly

77.3033, 86.1983, 68.4407



Tritanomaly

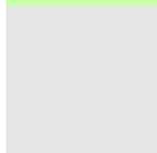
75.3306, 86.6551, 83.2768

Monochromacy



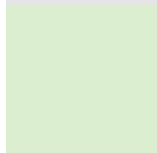
Original Color

67.3728, 86.9788, 51.2679



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.1731, 80.7632, 71.5121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3728, 86.9788, 51.2679 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(202, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 170)  
}
```

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(202, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 170) }
```

Border

The CSS property to change the border of an element to XYZ 67.3728, 86.9788, 51.2679 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(202, 255, 170) }
```


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

```
.border{ border-color:rgb(202, 255, 170) }
```

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

Here you see how a box with a 4 pixel rgb(202, 255, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3728, 86.9788, 51.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 170) }
```

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

```
.background{ background-color: rgb(202,  
255, 170) }
```

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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