

Converting Colors

XYZ(69.5272, 86.1679, 83.7540)

Have a look what the booklet for
XYZ(69.5272, 86.1679, 83.7540)
contains.

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Color

**XYZ(69.2512, 85.8214,
83.4363)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFCE0
RGB	189, 252, 224
RGB Percent	74%, 99%, 88%
CMY	0.2588, 0.0117, 0.1216
CMYK	0.25, 0.00, 0.11, 0.01
HSL	153°, 91%, 86%
HSV	153°, 25%, 99%
XYZ	69.2512, 85.8214, 83.4363
YIQ	229.9710, -28.5600, -22.0640

Conversions

Conversions Part 2

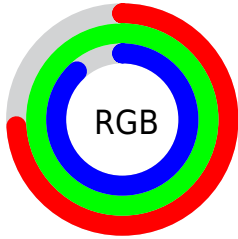
Format	Color
RYB	189, 230, 252
Decimal	12451040
CIELab	94.24, -25.24, 7.04
CIELCh	94, 26.202, 164.406
Yxy	85.8214, 0.2904, 0.3598
Android (android.graphics.Color)	4290641120 (0xFFBDFCE0)
YUV	229.9710, -2.9437, -35.9316
Hunter-Lab	92.6398, -28.6853, 11.4482

Details

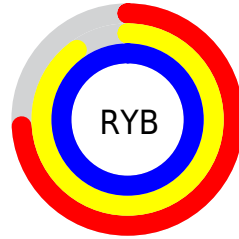
The XYZ color **69.2512, 85.8214, 83.4363** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.8698, 62.1025, 73.9009**, and the grayscale version is **75.2305, 79.1483, 86.1925**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **36.5081, 46.9631, 44.6767** is the 20% darker color. If you saturate the color by 10%, you get **62.0659, 82.2894, 75.4307**, and if you desaturate by 10%, it is **77.6275, 89.9605, 92.0237**.

Distribution



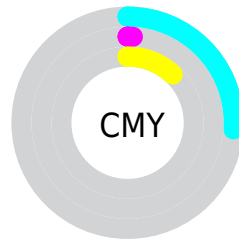
- Red (74%)
- Green (99%)
- Blue (88%)



- Red (74%)
- Yellow (90%)
- Blue (99%)



- Cyan (25%)
- Magenta (0%)
- Yellow (11%)
- Black (1%)




- Cyan (26%)
- Magenta (1%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.2512, 85.8214, 83.4363 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 69.2512, 85.8214, 83.4363 by changing the saturation by 10% instead.


 69.2512, 85.8214,
83.4363

 69.2512, 85.8214,
83.4363


447.2240,
514.3421, 526.4485

 51.1937, 64.5203,
62.0074

 117.1724,
141.5202, 140.0411

 36.5845, 47.0722,
44.6029


147.7668,
176.6867, 176.0540

 25.0581, 33.0927,
30.8041


183.2709,
217.2439, 217.7655

 16.2493, 22.1975,
20.1925

224.0500,
263.5760, 265.5939

 9.7927, 14.0021,
12.3496

270.4695,
316.0674, 319.9579

 5.3229, 8.1221,
6.8568

322.8948,

 2.4747, 4.1732,

375.1027, 381.2760

3.2956

381.6912,
441.0661, 449.9666

■ 0.8825, 1.7709,
1.2475

■ 0.0000, 0.4689,
0.0182

■ 69.2512, 85.8214,
83.4363

■ 69.2512, 85.8214,
83.4363

■ 62.0659, 82.2894,
75.4307

■ 77.6275, 89.9605,
92.0237

■ 56.0063, 79.3240,
67.9884

■ 87.2415, 94.7236,
101.1995

■ 51.0117, 76.8965,
61.0982

■ 94.1020, 98.1039,
108.5840

■ 47.0122, 74.9711,
54.7461

■ 43.9295, 73.5077,
48.9176

■ 41.6723, 72.4596,
43.5970

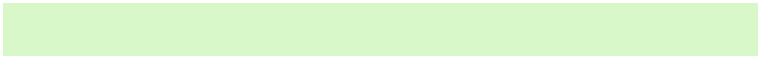
■ 40.1290, 71.7692,
38.7673

■ 39.5453, 71.5173,
36.5292

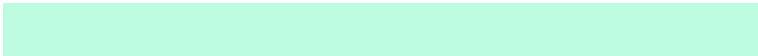
Harmonies

Analogous

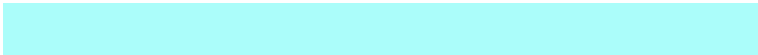
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4878, 85.8214, 68.4657



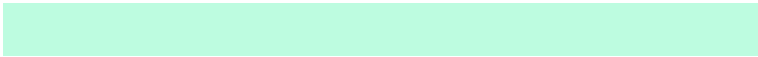
69.2512, 85.8214, 83.4363



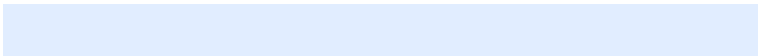
69.1863, 85.8214, 103.3935

Triad

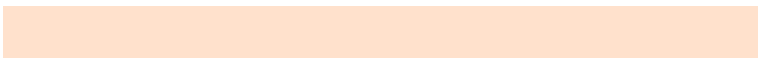
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.2512, 85.8214, 83.4363



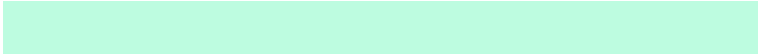
84.9742, 85.8214, 136.0969



91.5957, 85.8214, 68.9271

Complementary

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



69.2512, 85.8214, 83.4363



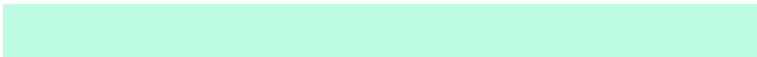
70.8698, 62.1025, 73.9009

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.



95.3512, 85.8214, 84.1559



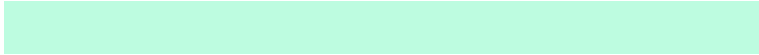
69.2512, 85.8214, 83.4363



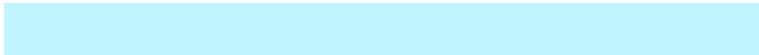
91.3822, 85.8214, 123.8624

Square

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



69.2512, 85.8214, 83.4363



77.9967, 85.8214, 135.8306



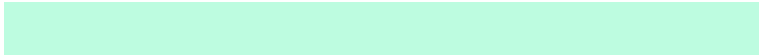
95.2708, 85.8214, 104.2235



85.2522, 85.8214, 60.9448

Rectangle

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



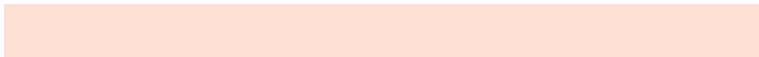
69.2512, 85.8214, 83.4363



70.9360, 85.8214, 117.0277



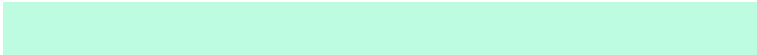
95.2708, 85.8214, 104.2235



93.2184, 85.8214, 73.2643

Sweetspot

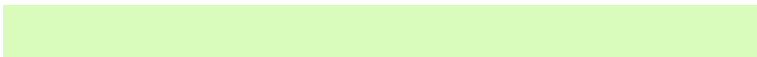
The Sweet Spot groups the original color and five complimentary colors.



69.2536, 85.8250, 83.4382



86.5133, 95.7638, 101.0592



72.7180, 88.1041, 61.3185



18.1940, 20.3371, 21.3247



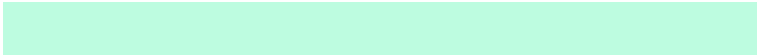
0.0000, 0.0000, 0.0000



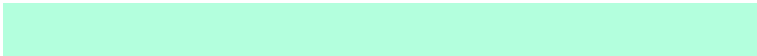
20.3446, 21.4041, 23.3091

Same Dimension

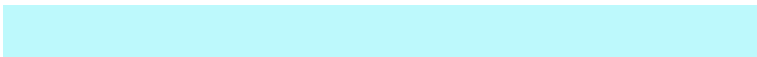
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.2536, 85.8250, 83.4382



67.2859, 86.2646, 81.5095



72.3891, 85.5093, 104.7892



17.4211, 19.4707, 20.4178



20.6741, 37.2826, 19.4249



1.9681, 3.4744, 2.0801

Inverse Universe

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



70.8698, 62.1025, 73.9009



69.2072, 58.0790, 70.1827



68.2153, 62.1368, 56.5436



17.5652, 17.3534, 19.5660



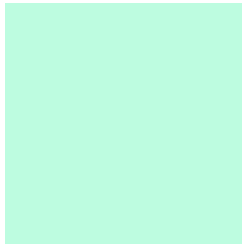
22.5071, 11.4186, 9.3790



2.1370, 1.0785, 1.1447

Previews

White Background



This preview shows how the XYZ color 69.2512, 85.8214, 83.4363 looks on a white background.

Color Contrast Check

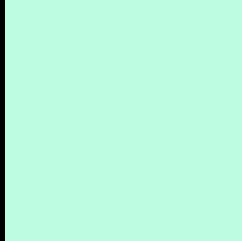
Large Text (above 18pt) WCAG AA × Fail

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 69.2512, 85.8214, 83.4363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

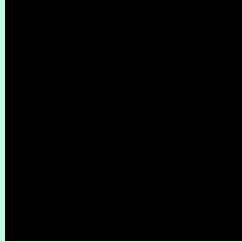
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

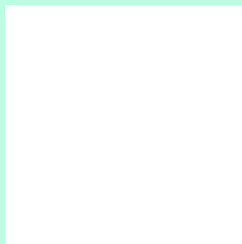
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.2512, 85.8214, 83.4363

Background



This preview shows how black text looks on a background with the XYZ color 69.2512, 85.8214, 83.4363.

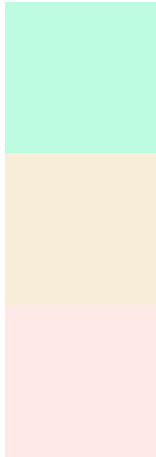


This preview shows how white text looks on a background with the XYZ color 69.2512, 85.8214,

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

69.2512, 85.8214, 83.4363

Protanopia

81.0366, 85.3004, 77.1593

Deuteranopia

84.9444, 85.3640, 88.3438



Tritanopia

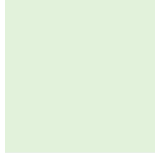
77.8321, 85.6173, 107.0313

Trichromacy



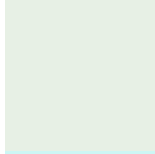
Original Color

69.2512, 85.8214, 83.4363



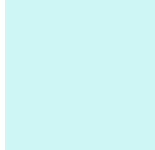
Protanomaly

75.9023, 84.7875, 79.3830



Deuteranomaly

78.2579, 84.9662, 86.4042



Tritanomaly

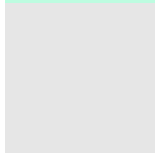
74.4617, 85.4223, 98.1516

Monochromacy



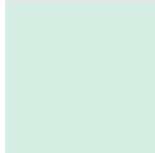
Original Color

69.2512, 85.8214, 83.4363



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.6025, 81.1976, 85.2449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2512, 85.8214, 83.4363 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, 252, 224)` looks like.

```
.text, #text, p{  
    color:rgb(189, 252, 224)  
}
```

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, 252, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 252, 224) }
```

Border

The CSS property to change the border of an element to XYZ 69.2512, 85.8214, 83.4363 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, 252, 224) }
```


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

```
.border{ border-color:rgb(189, 252, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 252, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 252, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 252, 224);  
box-shadow:4px 4px 4px 4px rgb(189, 252,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2512, 85.8214, 83.4363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 252, 224) }
```

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

```
.background{ background-color: rgb(189,  
252, 224) }
```

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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