

Converting Colors

XYZ(69.8361, 86.0341, 84.1318)

Have a look what the booklet for
XYZ(69.8361, 86.0341, 84.1318)
contains.

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Color

**XYZ(69.8869, 86.1334,
84.1761)**

Conversions

Conversions Part 1

Format	Color
Hex	BFFCE1
RGB	191, 252, 225
RGB Percent	75%, 99%, 88%
CMY	0.2510, 0.0117, 0.1176
CMYK	0.24, 0.00, 0.11, 0.01
HSL	153°, 91%, 87%
HSV	153°, 24%, 99%
XYZ	69.8869, 86.1334, 84.1761
YIQ	230.6830, -27.6890, -21.3290

Conversions

Conversions Part 2

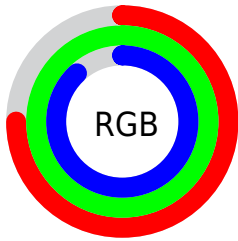
Format	Color
RYB	191, 230, 252
Decimal	12582113
CIELab	94.37, -24.44, 6.73
CIELCh	94, 25.351, 164.595
Yxy	86.1334, 0.2910, 0.3586
Android (android.graphics.Color)	4290772193 (0xFFBFFCE1)
YUV	230.6830, -2.8017, -34.8020
Hunter-Lab	92.8081, -27.9990, 11.1902

Details

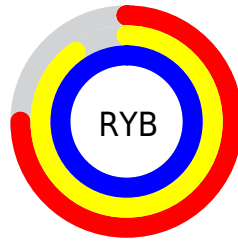
The XYZ color **69.8869, 86.1334, 84.1761** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.4336, 63.0213, 74.7328**, and the grayscale version is **75.7569, 79.7021, 86.7956**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **36.9241, 47.1667, 45.1882** is the 20% darker color. If you saturate the color by 10%, you get **62.6144, 82.5568, 76.1507**, and if you desaturate by 10%, it is **78.3540, 90.3191, 92.7802**.

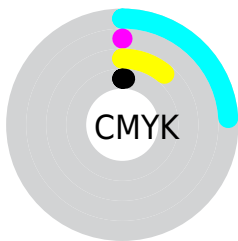
Distribution



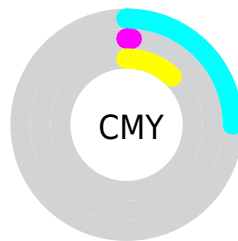
- Red (75%)
- Green (99%)
- Blue (88%)



- Red (75%)
- Yellow (90%)
- Blue (99%)



- Cyan (24%)
- Magenta (0%)
- Yellow (11%)
- Black (1%)





- Cyan (25%)
- Magenta (1%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.8869, 86.1334, 84.1761 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 69.8869, 86.1334, 84.1761 by changing the saturation by 10% instead.


 69.8869, 86.1334,
84.1761

 69.8869, 86.1334,
84.1761


449.4254,
515.3710, 528.9712

 51.7136, 64.7783,
62.6146


 118.0746,
141.9556, 141.0854

 37.0002, 47.2813,
45.0905


148.8197,
177.1915, 177.2703

 25.3813, 33.2581,
31.1853


184.4861,
217.8232, 219.1668

 16.4916, 22.3242,
20.4803

225.4392,
264.2349, 267.1933

 9.9657, 14.0953,
12.5571

272.0443,
316.8112, 321.7685

 5.4383, 8.1870,
6.9972

324.6668,

 2.5441, 4.2148,

375.9363, 383.3108

3.3819

383.6721,
441.9948, 452.2389

■ 0.9175, 1.7945,
1.2928

■ 0.0000, 0.4837,
0.0559

■ 69.8869, 86.1334,
84.1761

■ 69.8869, 86.1334,
84.1761

■ 62.6144, 82.5568,
76.1507

■ 78.3540, 90.3191,
92.7802

■ 56.4716, 79.5489,
68.6855

■ 88.0622, 95.1305,
101.9691

■ 51.3982, 77.0813,
61.7695

■ 94.1020, 98.1039,
108.5840

■ 47.3251, 75.1185,
55.3890

■ 44.1746, 73.6208,
49.5295

■ 41.8569, 72.5421,
44.1757

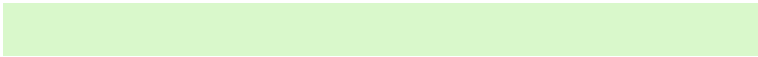
■ 40.2624, 71.8261,
39.3109

■ 39.5791, 71.5308,
36.7074

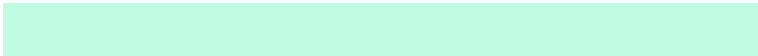
Harmonies

Analogous

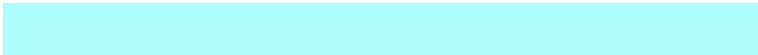
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0180, 86.1334, 69.5461



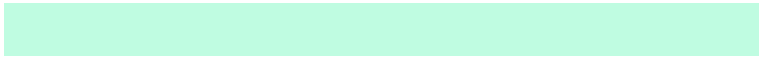
69.8869, 86.1334, 84.1761



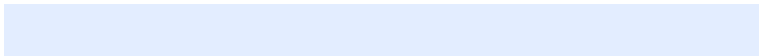
69.8438, 86.1334, 103.5501

Triad

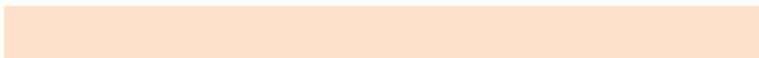
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.8869, 86.1334, 84.1761



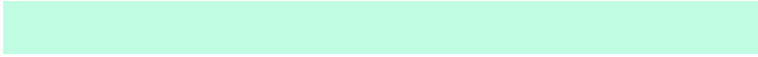
85.2096, 86.1334, 134.9344



91.5449, 86.1334, 69.8535

Complementary

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



69.8869, 86.1334, 84.1761



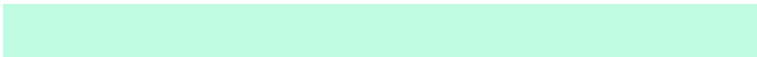
71.4336, 63.0213, 74.7328

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.



95.1969, 86.1334, 84.6533



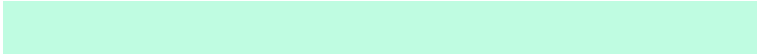
69.8869, 86.1334, 84.1761



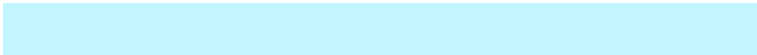
91.4040, 86.1334, 123.0871

Square

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



69.8869, 86.1334, 84.1761



78.4396, 86.1334, 134.7596



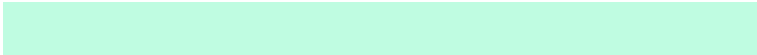
95.1439, 86.1334, 104.0979



85.3933, 86.1334, 62.0916

Rectangle

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



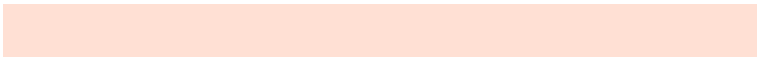
69.8869, 86.1334, 84.1761



71.5593, 86.1334, 116.7161



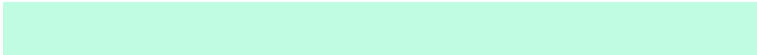
95.1439, 86.1334, 104.0979



93.1203, 86.1334, 74.0725

Sweetspot

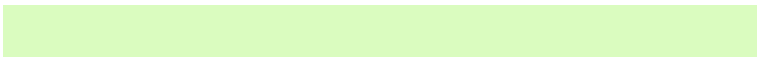
The Sweet Spot groups the original color and five complimentary colors.



69.8893, 86.1370, 84.1780



87.5389, 96.2718, 102.0440



73.2655, 88.3611, 62.4855



18.6048, 20.5406, 21.7181



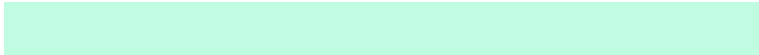
0.0000, 0.0000, 0.0000



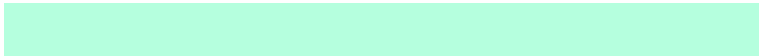
20.3446, 21.4041, 23.3091

Same Dimension

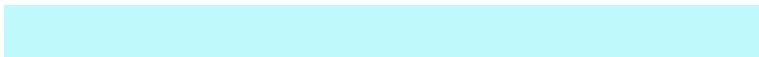
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.8893, 86.1370, 84.1780



68.0482, 86.6380, 82.4303



72.9197, 85.8287, 104.8229



17.4224, 19.4712, 20.4251



20.6917, 37.2897, 19.5178



1.9698, 3.4750, 2.0886

Inverse Universe

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



71.4336, 63.0213, 74.7328



69.8841, 59.1721, 71.2121



68.8544, 63.0650, 57.8353



17.5638, 17.3529, 19.5589



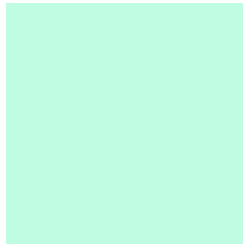
22.4938, 11.4132, 9.3086



2.1357, 1.0780, 1.1379

Previews

White Background



This preview shows how the XYZ color 69.8869, 86.1334, 84.1761 looks on a white background.

Color Contrast Check

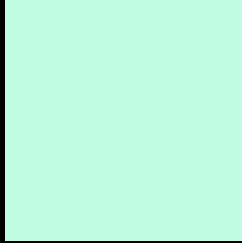
Large Text (above 18pt) WCAG AA × Fail

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 69.8869, 86.1334, 84.1761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

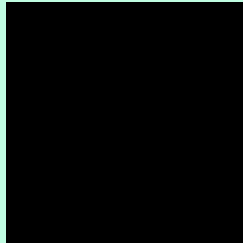
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

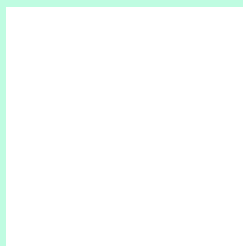
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8869, 86.1334, 84.1761

Background



This preview shows how black text looks on a background with the XYZ color 69.8869, 86.1334, 84.1761.



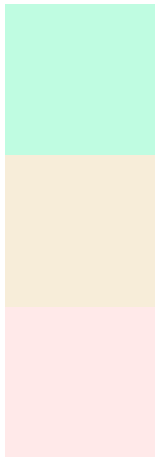
This preview shows how white text looks on a background with the XYZ color 69.8869, 86.1334,

84.1761.

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

69.8869, 86.1334, 84.1761

Protanopia

81.1663, 85.3523, 77.8424

Deuteranopia

85.0869, 85.4210, 89.0941



Tritanopia

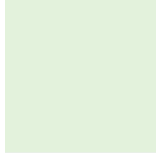
78.4195, 85.9201, 107.0588

Trichromacy



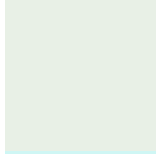
Original Color

69.8869, 86.1334, 84.1761



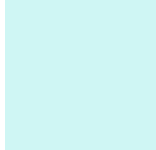
Protanomaly

76.3490, 85.0025, 80.0932



Deuteranomaly

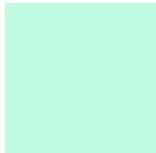
78.7217, 85.1892, 87.1570



Tritanomaly

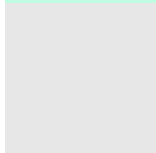
75.0170, 85.7086, 98.1775

Monochromacy



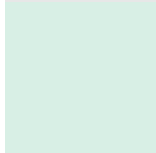
Original Color

69.8869, 86.1334, 84.1761



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.3283, 81.9891, 86.0894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8869, 86.1334, 84.1761 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(191, 252, 225)` looks like.

```
.text, #text, p{  
    color:rgb(191, 252, 225)  
}
```

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(191, 252, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 252, 225) }
```

Border

The CSS property to change the border of an element to XYZ 69.8869, 86.1334, 84.1761 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(191, 252, 225) }
```


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

```
.border{ border-color:rgb(191, 252, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 252, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 252, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 252, 225);  
box-shadow:4px 4px 4px 4px rgb(191, 252,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8869, 86.1334, 84.1761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 252, 225) }
```

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

```
.background{ background-color: rgb(191,  
252, 225) }
```

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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