

# Converting Colors

XYZ(67.2174, 84.4952, 76.2032)

Have a look what the booklet for  
XYZ(67.2174, 84.4952, 76.2032)  
contains.

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# Color

**XYZ(67.1283, 84.4142,  
76.3739)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBFBD6
RGB	187, 251, 214
RGB Percent	73%, 98%, 84%
CMY	0.2667, 0.0157, 0.1608
CMYK	0.25, 0.00, 0.15, 0.02
HSL	145°, 89%, 86%
HSV	145°, 25%, 98%
XYZ	67.1283, 84.4142, 76.3739
YIQ	227.6460, -26.2670, -25.0750

# Conversions

## Conversions Part 2

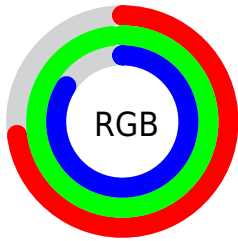
Format	Color
<a href="#">RYB</a>	<a href="#">187, 232, 251</a>
Decimal	<a href="#">12319702</a>
CIELab	<a href="#">93.63, -27.27, 11.32</a>
CIELCh	<a href="#">94, 29.526, 157.465</a>
Yxy	<a href="#">84.4142, 0.2945, 0.3704</a>
Android (android.graphics.Color)	<a href="#">4290509782 (0xFFBBFBD6)</a>
YUV	<a href="#">227.6460, -6.7275, -35.6465</a>
Hunter-Lab	<a href="#">91.8772, -30.3675, 15.0286</a>

# Details

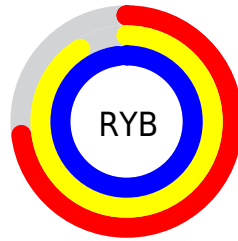
The XYZ color **67.1283, 84.4142, 76.3739** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.0114, 61.4337, 78.6397**, and the grayscale version is **73.5474, 77.3776, 84.2642**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **35.0655, 45.9923, 39.8301** is the 20% darker color. If you saturate the color by 10%, you get **59.7449, 80.8149, 66.7818**, and if you desaturate by 10%, it is **75.7547, 88.6398, 86.8898**.

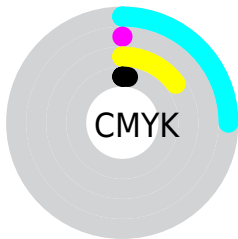
# Distribution



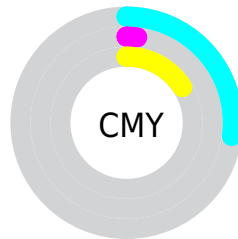
- Red (73%)
- Green (98%)
- Blue (84%)



- Red (73%)
- Yellow (91%)
- Blue (98%)



- Cyan (25%)
- Magenta (0%)
- Yellow (15%)
- Black (2%)



- Cyan (27%)
- Magenta (2%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1283, 84.4142, 76.3739 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 67.1283, 84.4142, 76.3739 by changing the saturation by 10% instead.




 67.1283, 84.4142,  
76.3739

 67.1283, 84.4142,  
76.3739


439.8266,  
509.6877, 502.0075

 49.4600, 63.3575,  
56.2307


 114.1530,  
139.5544, 130.0202

 35.2005, 46.1305,  
39.9827


144.2401,  
174.4067, 164.3604

 23.9846, 32.3488,  
27.2113


179.1975,  
214.6263, 204.2700

 15.4469, 21.6280,  
17.4982

219.3906,  
260.5976, 250.1674

 9.2220, 13.5838,  
10.4246

265.1847,  
312.7050, 302.4714

 4.9445, 7.8318,  
5.5721

316.9452,

 2.2492, 3.9875,

371.3329, 361.6004

2.5221

375.0373,  
436.8656, 427.9729

■ 0.7685, 1.6666,  
0.8519

■ 0.0000, 0.4019,  
0.0000

■ 67.1283, 84.4142,  
76.3739

■ 67.1283, 84.4142,  
76.3739

■ 59.7449, 80.8149,  
66.7818

■ 75.7547, 88.6398,  
86.8898

■ 53.5374, 77.8010,  
58.0825

■ 85.6731, 93.5096,  
98.3479

■ 48.4428, 75.3426,  
50.2516

■ 93.7888, 97.4775,  
108.4796

■ 44.3889, 73.4033,  
43.2613

■ 41.2949, 71.9419,  
37.0824

■ 39.0666, 70.9103,  
31.6834

■ 37.5888, 70.2500,  
27.0306

■ 37.0945, 70.0358,  
25.1684

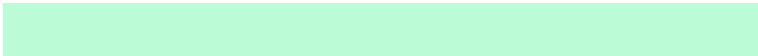
# Harmonies

## Analogous

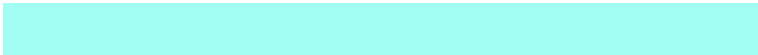
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.4283, 84.4142, 61.7889



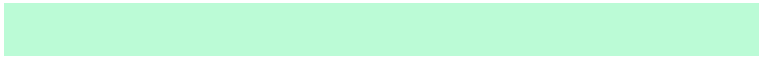
67.1283, 84.4142, 76.3739



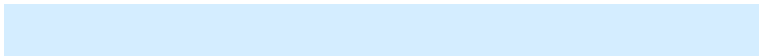
66.2259, 84.4142, 97.6228

# Triad

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



67.1283, 84.4142, 76.3739



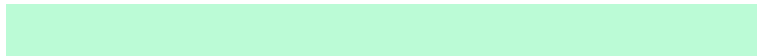
82.2030, 84.4142, 141.5756



92.7722, 84.4142, 68.1237

# Complementary

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



67.1283, 84.4142, 76.3739



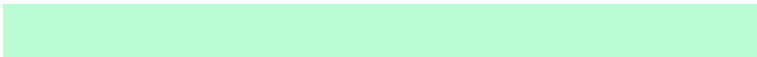
71.0114, 61.4337, 78.6397

# 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.



96.0881, 84.4142, 86.4297



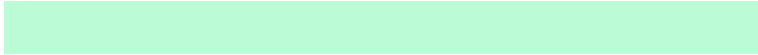
67.1283, 84.4142, 76.3739



89.7334, 84.4142, 130.5139

# Square

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



67.1283, 84.4142, 76.3739



74.6062, 84.4142, 137.7117



94.9414, 84.4142, 109.4280

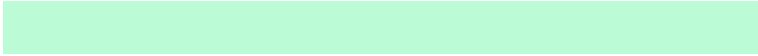


86.1362, 84.4142, 57.5934



# Rectangle

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



67.1283, 84.4142, 76.3739



67.6149, 84.4142, 113.2432



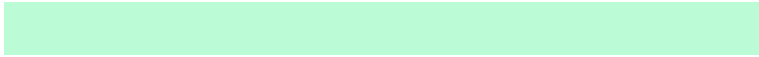
94.9414, 84.4142, 109.4280



94.3311, 84.4142, 73.4445

# Sweetspot

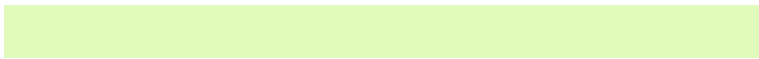
The Sweet Spot groups the original color and five complimentary colors.



67.1306, 84.4177, 76.3758



86.0978, 95.5977, 98.8715



74.3137, 88.4867, 60.1777



18.0895, 20.2953, 20.7742



0.0000, 0.0000, 0.0000

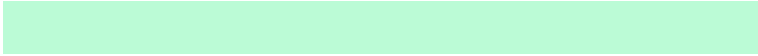


20.3446, 21.4041, 23.3091

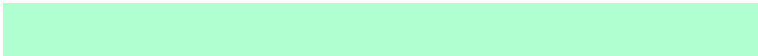


# Same Dimension

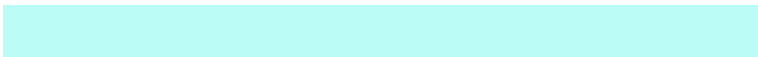
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.1306, 84.4177, 76.3758



65.1987, 85.3625, 73.5553



71.5769, 86.1962, 99.7897



17.3212, 19.4307, 19.8919



19.5665, 36.8396, 13.5925



1.8639, 3.4326, 1.5310



# Inverse Universe

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



71.0114, 61.4337, 78.6397



69.8938, 57.5464, 76.2869



67.1079, 59.8723, 58.0838



17.6654, 17.3935, 20.0935



23.6774, 11.8867, 15.5415

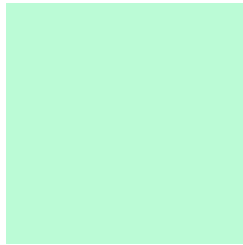


2.2459, 1.1221, 1.7183



# Previews

## White Background



This preview shows how the XYZ color 67.1283, 84.4142, 76.3739 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 67.1283, 84.4142, 76.3739 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

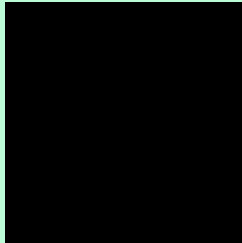
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 67.1283, 84.4142, 76.3739**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.1283, 84.4142, 76.3739.



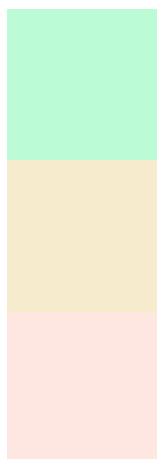
This preview shows how white text looks on a background with the XYZ color 67.1283, 84.4142,

76.3739.

# 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

67.1283, 84.4142, 76.3739

### Protanopia

79.2067, 83.6470, 70.3634

### Deuteranopia

83.4065, 83.8481, 83.0225



## **Tritanopia**

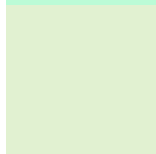
76.0836, 83.8322, 106.7789

# Trichromacy



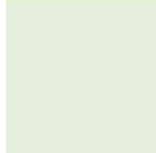
## Original Color

67.1283, 84.4142, 76.3739



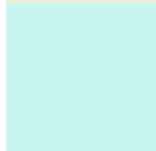
## Protanomaly

74.0153, 83.5216, 72.5419



## Deuteranomaly

76.2588, 83.1925, 80.4451



## Tritanomaly

72.7377, 84.1526, 94.8475

# Monochromacy



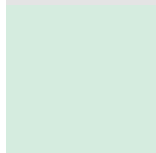
## Original Color

67.1283, 84.4142, 76.3739



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

70.7553, 79.4648, 81.4211

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.1283, 84.4142, 76.3739 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(187, 251, 214)` looks like.

```
.text, #text, p{  
    color:rgb(187, 251, 214)  
}
```

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(187, 251, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 251, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 67.1283, 84.4142, 76.3739 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(187, 251, 214) }
```



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

```
.border{ border-color:rgb(187, 251, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 251, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 251, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 251, 214);  
box-shadow:4px 4px 4px 4px rgb(187, 251,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.1283, 84.4142, 76.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 251, 214) }
```

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

```
.background{ background-color: rgb(187,  
251, 214) }
```

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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