

# Converting Colors

XYZ(67.8976, 85.1034, 93.8159)

Have a look what the booklet for  
XYZ(67.8976, 85.1034, 93.8159)  
contains.

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# Color

**XYZ(67.6986, 84.7925,  
93.6874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEFCEE
RGB	174, 252, 238
RGB Percent	68%, 99%, 93%
CMY	0.3176, 0.0117, 0.0667
CMYK	0.31, 0.00, 0.06, 0.01
HSL	169°, 93%, 84%
HSV	169°, 31%, 99%
XYZ	67.6986, 84.7925, 93.6874
YIQ	227.0820, -41.9940, -20.8900

# Conversions

## Conversions Part 2

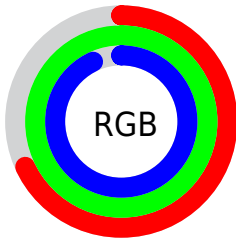
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 217, 252
Decimal	11468014
CIELab	93.79, -26.72, -0.93
CIELCh	94, 26.735, 181.987
Yxy	84.7925, 0.2750, 0.3444
Android (android.graphics.Color)	4289658094 (0xFFAEFCEE)
YUV	227.0820, 5.3826, -46.5529
Hunter-Lab	92.0828, -29.9131, 4.1349

# Details

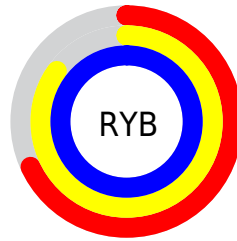
The XYZ color **67.6986, 84.7925, 93.6874** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.3610, 54.6008, 54.7272**, and the grayscale version is **73.0592, 76.8640, 83.7049**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **35.5664, 46.3296, 51.3239** is the 20% darker color. If you saturate the color by 10%, you get **61.9467, 81.9053, 89.9935**, and if you desaturate by 10%, it is **74.5253, 88.2362, 97.5224**.

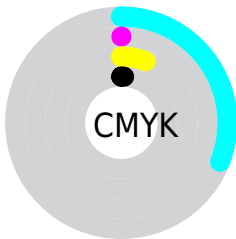
# Distribution



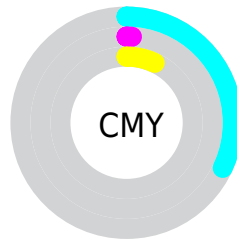
- Red (68%)
- Green (99%)
- Blue (93%)



- Red (68%)
- Yellow (85%)
- Blue (99%)



- Cyan (31%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)



- Cyan (32%)
- Magenta (1%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6986, 84.7925, 93.6874 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 67.6986, 84.7925, 93.6874 by changing the saturation by 10% instead.



67.6986, 84.7925,  
93.6874

67.6986, 84.7925,  
93.6874

441.8209,  
510.9412, 560.8309

49.9254, 63.6699,  
70.4521

114.9651,  
140.0832, 154.4299

35.5716, 46.3834,  
51.4161

145.1892,  
175.0202, 192.7742

24.2721, 32.5485,  
36.1609

180.2941,  
215.3307, 236.9919

15.6614, 21.7808,  
24.2678

220.6454,  
261.3993, 287.5016

9.3742, 13.6959,  
15.3184

266.6084,  
313.6102, 344.7218

5.0451, 7.9095,  
8.8940

318.5484,

2.3088, 4.0371,

372.3479, 409.0711

4.5762

376.8308,  
437.9968, 480.9679

■ 0.7992, 1.6943,  
1.9465

■ 0.0000, 0.4200,  
0.5221

■ 67.6986, 84.7925,  
93.6874

■ 67.6986, 84.7925,  
93.6874

■ 61.9467, 81.9053,  
89.9935

■ 74.5253, 88.2362,  
97.5224

■ 57.2031, 79.5338,  
86.4316

■ 82.4740, 92.2542,  
101.4960

■ 53.4053, 77.6480,  
82.9998

■ 91.5979, 96.8760,  
105.6130

■ 50.4806, 76.2104,  
79.6942

■ 94.1019, 98.1037,  
108.5840

■ 48.3457, 75.1781,  
76.5102

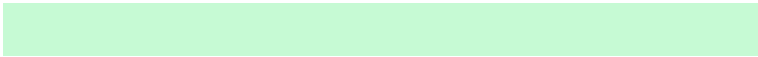
■ 46.9007, 74.4996,  
73.4425

■ 46.0456, 74.1172,  
70.7599

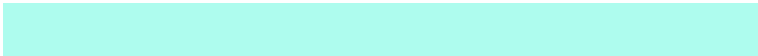
# Harmonies

## Analogous

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



69.1259, 84.7925, 75.1441



67.6986, 84.7925, 93.6874



69.5542, 84.7925, 114.6346

# Triad

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



67.6986, 84.7925, 93.6874



88.0466, 84.7925, 129.6354



87.1795, 84.7925, 61.9175

# Complementary

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



67.6986, 84.7925, 93.6874



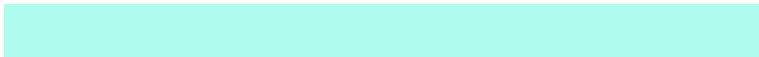
64.3610, 54.6008, 54.7272

# 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.



92.7414, 84.7925, 73.1150



67.6986, 84.7925, 93.6874



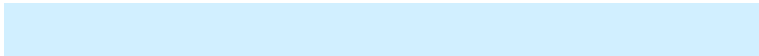
93.2624, 84.7925, 111.9425

# Square

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



67.6986, 84.7925, 93.6874



81.0672, 84.7925, 137.1955



95.0282, 84.7925, 90.9751

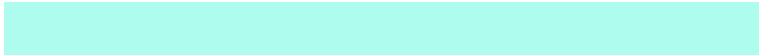


80.1201, 84.7925, 58.4894



# Rectangle

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



67.6986, 84.7925, 93.6874



72.4705, 84.7925, 126.7000



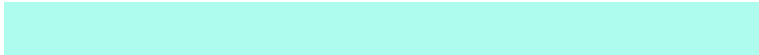
95.0282, 84.7925, 90.9751



89.3003, 84.7925, 64.8077

# Sweetspot

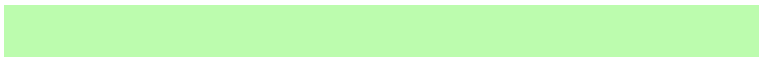
The Sweet Spot groups the original color and five complimentary colors.



67.7010, 84.7959, 93.6893



86.4486, 95.6416, 105.0720



63.2661, 83.4098, 52.8113



18.2260, 20.3307, 22.3597



0.0000, 0.0000, 0.0000

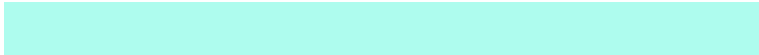


20.3446, 21.4041, 23.3091

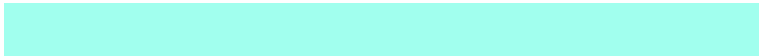


# Same Dimension

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



67.7010, 84.7959, 93.6893



65.8293, 85.2375, 93.9198



62.5801, 71.1323, 102.5309



17.6242, 19.5520, 21.4878



24.0348, 38.6269, 37.1221



2.2598, 3.5910, 3.6158



# Inverse Universe

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



64.3610, 54.6008, 54.7272



61.9183, 49.8254, 48.2566



68.1422, 64.4631, 48.8972



17.3718, 17.2761, 18.5477



21.1989, 10.8953, 2.4897

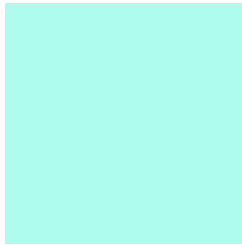


1.9971, 1.0226, 0.4083



# Previews

## White Background



This preview shows how the XYZ color 67.6986, 84.7925, 93.6874 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

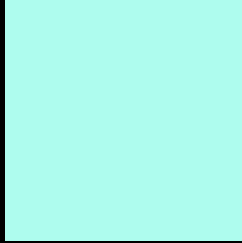
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.6986, 84.7925, 93.6874 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 67.6986, 84.7925, 93.6874

## Background



This preview shows how black text looks on a background with the XYZ color 67.6986, 84.7925, 93.6874.



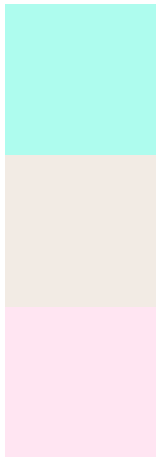
This preview shows how white text looks on a background with the XYZ color 67.6986, 84.7925,

93.6874.

# 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

67.6986, 84.7925, 93.6874

### Protanopia

80.3299, 83.8953, 85.3584

### Deuteranopia

85.2863, 83.7094, 95.6669



## **Tritanopia**

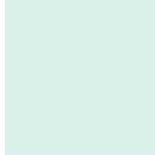
75.5542, 84.4430, 106.9247

# Trichromacy



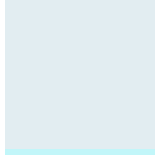
## Original Color

67.6986, 84.7925, 93.6874



## Protanomaly

74.6361, 83.4885, 88.5251



## Deuteranomaly

77.5254, 83.0880, 95.1707



## Tritanomaly

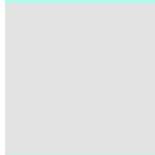
72.3028, 84.2204, 102.0679

# Monochromacy



## Original Color

67.6986, 84.7925, 93.6874



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

70.4317, 79.1703, 87.1706

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.6986, 84.7925, 93.6874 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(174, 252, 238)` looks like.

```
.text, #text, p{  
    color:rgb(174, 252, 238)  
}
```

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(174, 252, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 252, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 67.6986, 84.7925, 93.6874 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(174, 252, 238) }
```



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

```
.border{ border-color:rgb(174, 252, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 252, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 252, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 252, 238);  
box-shadow:4px 4px 4px 4px rgb(174, 252,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.6986, 84.7925, 93.6874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 252, 238) }
```

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

```
.background{ background-color: rgb(174,  
252, 238) }
```

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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