

# Converting Colors

XYZ(76.7279, 100.0000,  
92.0135)

Have a look what the booklet for  
XYZ(76.7279, 100.0000, 92.0135)  
contains.

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# Color

**XYZ(70.7177, 87.8423,  
90.3188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAFFE9
RGB	186, 255, 233
RGB Percent	73%, 100%, 91%
CMY	0.2706, 0.0000, 0.0863
CMYK	0.27, 0.00, 0.09, 0.00
HSL	161°, 100%, 86%
HSV	161°, 27%, 100%
XYZ	70.7177, 87.8423, 90.3188
YIQ	231.8610, -34.0620, -21.4700

# Conversions

## Conversions Part 2

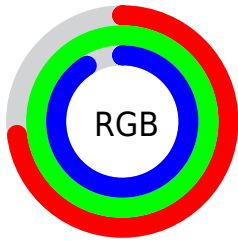
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 227, 255
Decimal	12255209
CIELab	95.09, -25.78, 3.62
CIElCh	95, 26.038, 172.000
Yxy	87.8423, 0.2841, 0.3530
Android (android.graphics.Color)	4290445289 (0xFFBAFFE9)
YUV	231.8610, 0.5615, -40.2201
Hunter-Lab	93.7242, -29.3339, 8.4712

# Details

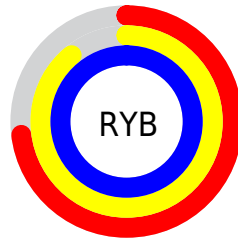
The XYZ color **70.7177, 87.8423, 90.3188** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.1847, 60.9330, 67.7371**, and the grayscale version is **76.6118, 80.6016, 87.7751**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **37.4900, 48.3878, 48.9588** is the 20% darker color. If you saturate the color by 10%, you get **63.9310, 84.4747, 84.0782**, and if you desaturate by 10%, it is **78.6651, 91.8020, 96.8959**.

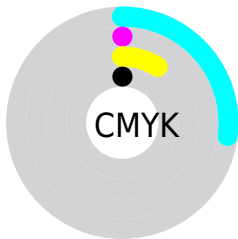
# Distribution



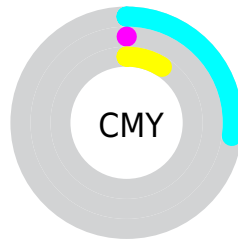
- Red (73%)
- Green (100%)
- Blue (91%)



- Red (73%)
- Yellow (89%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7177, 87.8423, 90.3188 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 70.7177, 87.8423, 90.3188 by changing the saturation by 10% instead.





 70.7177, 87.8423,  
90.3188

 70.7177, 87.8423,  
90.3188


452.2932,  
520.9867, 549.6642

 52.3936, 66.1925,  
67.6699


 119.2524,  
144.3376, 149.7205

 37.5444, 48.4287,  
49.1642


150.1936,  
179.9518, 187.3104

 25.8049, 34.1665,  
34.3832

186.0713,  
220.9897, 230.7177

 16.8096, 23.0215,  
22.9084

227.2507,  
267.8355, 280.3610

 10.1933, 14.6094,  
14.3212

274.0972,  
320.8737, 336.6587

 5.5906, 8.5457,  
8.2031

326.9763,

 2.6360, 4.4461,

380.4887, 400.0294

4.1356

386.2531,  
447.0649, 470.8918

0.9644, 1.9261,  
1.7000

0.0000, 0.5640,  
0.3607

70.7177, 87.8423,  
90.3188

70.7177, 87.8423,  
90.3188

63.9310, 84.4747,  
84.0782

78.6651, 91.8020,  
96.8959

58.2429, 81.6674,  
78.1633

87.8257, 96.3809,  
103.8114

53.5893, 79.3874,  
72.5687

95.0500, 100.0000,  
108.9000

49.8981, 77.5976,  
67.2871

■ 47.0877, 76.2561,  
62.3107

■ 45.0623, 75.3134,  
57.6311

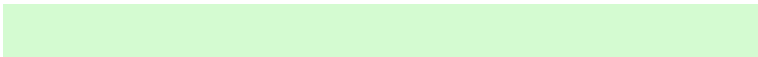
■ 43.6994, 74.7066,  
53.2383

■ 43.3707, 74.5643,  
51.9974

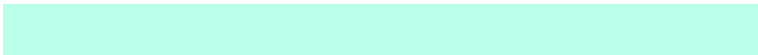
# Harmonies

## Analogous

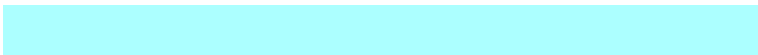
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2125, 87.8423, 73.5849



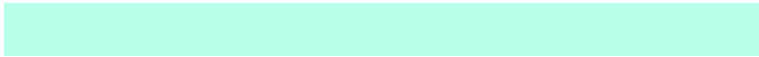
70.7177, 87.8423, 90.3188



71.4896, 87.8423, 111.0135

# Triad

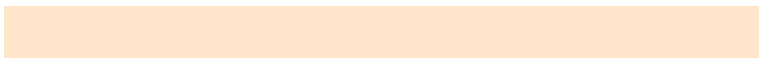
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7177, 87.8423, 90.3188



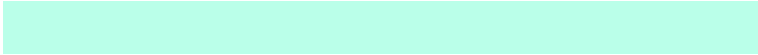
88.6980, 87.8423, 136.5601



92.1603, 87.8423, 68.0838

# Complementary

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



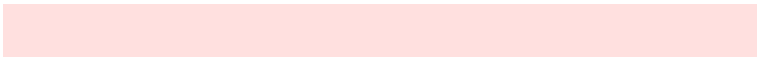
70.7177, 87.8423, 90.3188



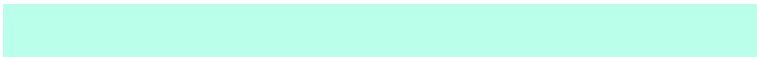
70.1847, 60.9330, 67.7371

# 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.



96.7666, 87.8423, 81.7652



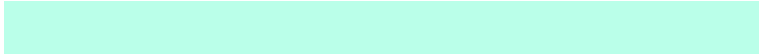
70.7177, 87.8423, 90.3188



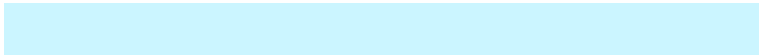
94.6902, 87.8423, 121.7253

# Square

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



70.7177, 87.8423, 90.3188



81.6103, 87.8423, 139.7038



97.7177, 87.8423, 101.1773

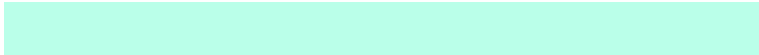


85.4014, 87.8423, 61.9860



# Rectangle

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



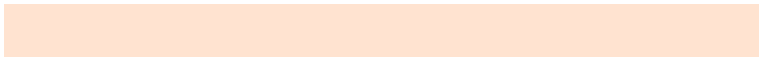
70.7177, 87.8423, 90.3188



73.7737, 87.8423, 124.1908



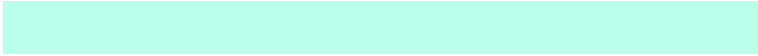
97.7177, 87.8423, 101.1773



94.0273, 87.8423, 71.8478

# Sweetspot

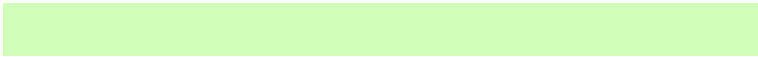
The Sweet Spot groups the original color and five complimentary colors.



70.7186, 87.8427, 90.3203



86.9094, 95.9223, 103.1451



70.9182, 88.6208, 59.8236



18.2940, 20.3771, 21.8510



0.0000, 0.0000, 0.0000

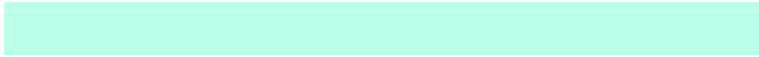


20.3446, 21.4041, 23.3091

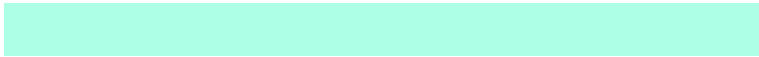


# Same Dimension

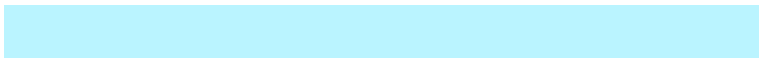
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7186, 87.8427, 90.3203



67.2228, 86.1061, 87.1940



70.5009, 82.0606, 106.7312



18.2940, 20.3771, 21.8510



22.7331, 38.9898, 27.5435



2.2632, 3.8162, 2.9439



# Inverse Universe

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



70.1847, 60.9330, 67.7371



66.6176, 55.4437, 61.4771



70.1837, 64.9662, 55.2965



18.2480, 18.0825, 19.9231



22.3904, 11.4455, 5.4405

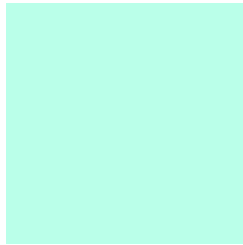


2.2273, 1.1333, 0.7785



# Previews

## White Background



This preview shows how the XYZ color 70.7177, 87.8423, 90.3188 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

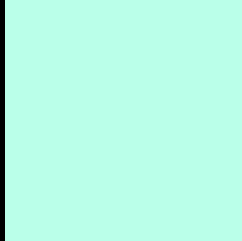
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.7177, 87.8423, 90.3188 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

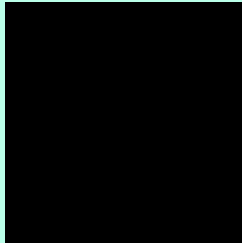
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.7177, 87.8423, 90.3188**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.7177, 87.8423, 90.3188.



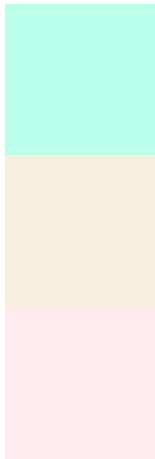
This preview shows how white text looks on a background with the XYZ color 70.7177, 87.8423,

90.3188.

# 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

70.7177, 87.8423, 90.3188

### Protanopia

83.0324, 87.0713, 82.9512

### Deuteranopia

86.5283, 86.9087, 93.8759



## **Tritanopia**

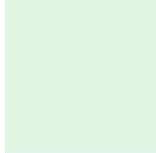
79.9158, 87.5849, 107.3013

# Trichromacy



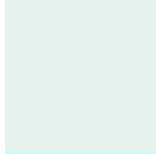
## Original Color

70.7177, 87.8423, 90.3188



## Protanomaly

77.5689, 86.8584, 85.3501



## Deuteranomaly

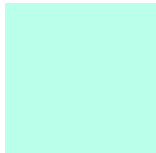
79.6713, 86.4417, 92.6065



## Tritanomaly

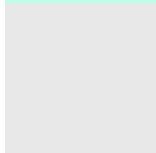
76.3963, 87.7322, 100.9032

# Monochromacy



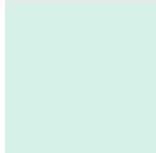
## Original Color

70.7177, 87.8423, 90.3188



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

73.7499, 82.5934, 88.3990

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7177, 87.8423, 90.3188 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(186, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 233)  
}
```

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(186, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7177, 87.8423, 90.3188 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(186, 255, 233) }
```



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

```
.border{ border-color:rgb(186, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7177, 87.8423, 90.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 233) }
```

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

```
.background{ background-color: rgb(186,  
255, 233) }
```

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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