

# Converting Colors

XYZ(70.4134, 87.7207, 88.7118)

Have a look what the booklet for  
XYZ(70.4134, 87.7207, 88.7118)  
contains.

<b>XYZ(70.4335, 87.7286, 88.8224)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(70.4335, 87.7286,  
88.8224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAFFE7
RGB	186, 255, 231
RGB Percent	73%, 100%, 91%
CMY	0.2706, 0.0000, 0.0941
CMYK	0.27, 0.00, 0.09, 0.00
HSL	159°, 100%, 86%
HSV	159°, 27%, 100%
XYZ	70.4335, 87.7286, 88.8224
YIQ	231.6330, -33.4200, -22.0920

# Conversions

## Conversions Part 2

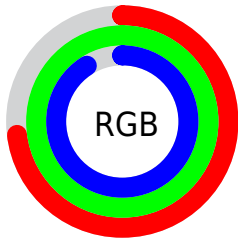
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 228, 255
Decimal	12255207
CIELab	95.05, -26.19, 4.58
CIELCh	95, 26.584, 170.069
Yxy	87.7286, 0.2852, 0.3552
Android (android.graphics.Color)	4290445287 (0xFFBAFFE7)
YUV	231.6330, -0.3121, -40.0201
Hunter-Lab	93.6635, -29.6820, 9.3390

# Details

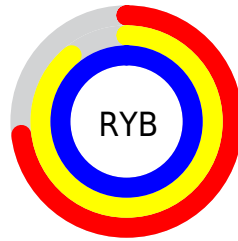
The XYZ color **70.4335, 87.7286, 88.8224** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.4324, 61.0320, 69.0413**, and the grayscale version is **76.4474, 80.4286, 87.5867**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **37.2920, 48.3086, 47.9164** is the 20% darker color. If you saturate the color by 10%, you get **63.5605, 84.3265, 82.1272**, and if you desaturate by 10%, it is **78.4772, 91.7268, 95.9066**.

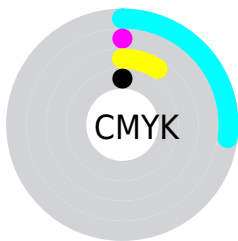
# Distribution



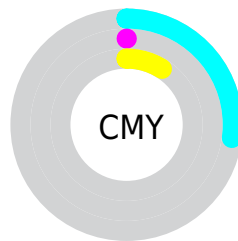
- Red (73%)
- Green (100%)
- Blue (91%)



- 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 70.4335, 87.7286, 88.8224 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 70.4335, 87.7286, 88.8224 by changing the saturation by 10% instead.




 70.4335, 87.7286,  
88.8224

 70.4335, 87.7286,  
88.8224

451.3133,  
520.6140, 544.6636

 52.1609, 66.0983,  
66.4362

 118.8497,  
144.1793, 147.6228

 37.3581, 48.3522,  
48.1678


149.7239,  
179.7684, 184.8740

 25.6598, 34.1059,  
33.5989

185.5294,  
220.7793, 227.9172

 16.7007, 22.9750,  
22.3108

226.6316,  
267.5964, 277.1711

 10.1153, 14.5750,  
13.8849

273.3957,  
320.6040, 333.0542

 5.5383, 8.5217,  
7.9028

326.1871,

 2.6044, 4.4305,

380.1866, 395.9849

3.9460

385.3712,  
446.7284, 466.3819

■ 0.9482, 1.9172,  
1.5957

■ 0.0000, 0.5587,  
0.2878

■ 70.4335, 87.7286,  
88.8224

■ 70.4335, 87.7286,  
88.8224

■ 63.5605, 84.3265,  
82.1272

■ 78.4772, 91.7268,  
95.9066

■ 57.7958, 81.4886,  
75.8091

■ 87.7443, 96.3483,  
103.3827

■ 53.0751, 79.1818,  
69.8613

95.0500, 100.0000,  
108.9000

■ 49.3262, 77.3689,  
64.2756

■ 46.4671, 76.0078,  
59.0428

■ 44.4018, 75.0492,  
54.1531

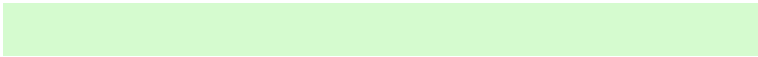
■ 43.0076, 74.4299,  
49.5953

■ 42.6713, 74.2845,  
48.3142

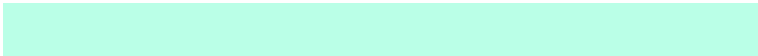
# Harmonies

## Analogous

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



73.1772, 87.7286, 72.1909



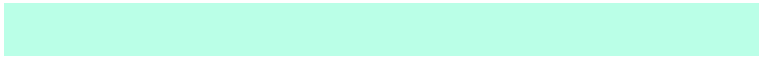
70.4335, 87.7286, 88.8224



71.0028, 87.7286, 109.8359

# Triad

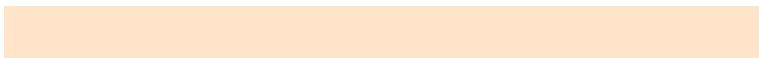
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.4335, 87.7286, 88.8224



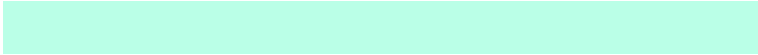
88.2422, 87.7286, 137.9803



92.6226, 87.7286, 68.1441

# Complementary

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



70.4335, 87.7286, 88.8224



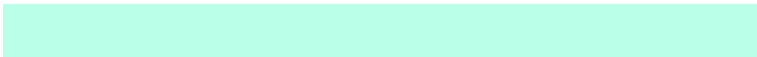
70.4324, 61.0320, 69.0413

# 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.



97.1255, 87.7286, 82.5082



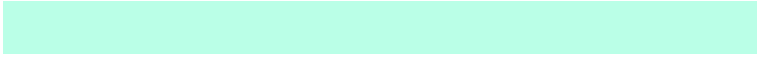
70.4335, 87.7286, 88.8224



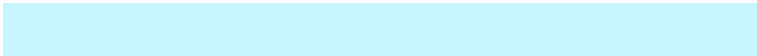
94.4970, 87.7286, 123.4043

# Square

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



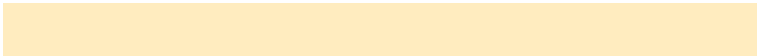
70.4335, 87.7286, 88.8224



81.0102, 87.7286, 140.3187



97.8306, 87.7286, 102.5493

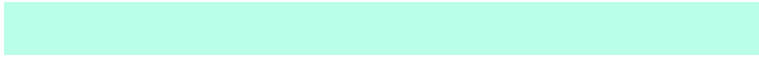


85.8025, 87.7286, 61.4449



# Rectangle

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



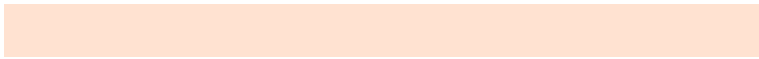
70.4335, 87.7286, 88.8224



73.1969, 87.7286, 123.4912



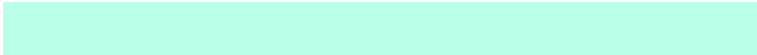
97.8306, 87.7286, 102.5493



94.4737, 87.7286, 72.1302

# Sweetspot

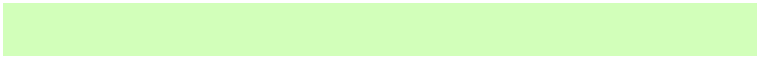
The Sweet Spot groups the original color and five complimentary colors.



70.4344, 87.7290, 88.8239



86.8175, 95.8856, 102.6614



71.2447, 88.7892, 59.8388



18.2708, 20.3678, 21.7288



0.0000, 0.0000, 0.0000

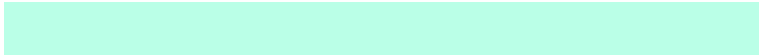


20.3446, 21.4041, 23.3091

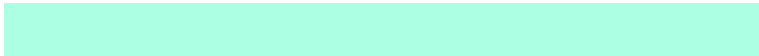


# Same Dimension

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



70.4344, 87.7290, 88.8239



66.8947, 85.9749, 85.4665



70.8470, 82.7529, 106.8466



18.2708, 20.3678, 21.7288



22.3699, 38.8445, 25.6309



2.2297, 3.8028, 2.7675



# Inverse Universe

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



70.4324, 61.0320, 69.0413



66.8952, 55.5547, 62.9388



69.9226, 64.4442, 55.2094



18.2702, 18.0914, 20.0400



22.5475, 11.5083, 6.2677

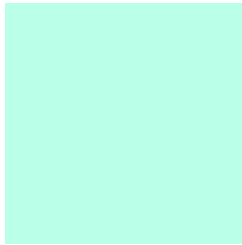


2.2446, 1.1402, 0.8696



# Previews

## White Background



This preview shows how the XYZ color 70.4335, 87.7286, 88.8224 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

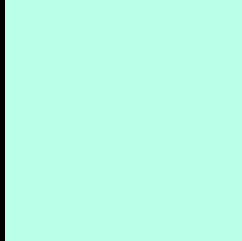
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.4335, 87.7286, 88.8224 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 70.4335, 87.7286, 88.8224**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.4335, 87.7286, 88.8224.



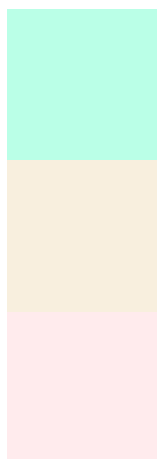
This preview shows how white text looks on a background with the XYZ color 70.4335, 87.7286,



# 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

70.4335, 87.7286, 88.8224

### Protanopia

82.7627, 86.9634, 81.5308

### Deuteranopia

86.2344, 86.7911, 92.3281



## Tritanopia

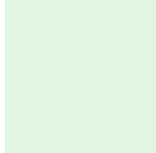
79.9158, 87.5849, 107.3013

# Trichromacy



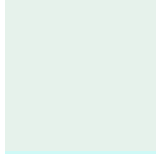
## Original Color

70.4335, 87.7286, 88.8224



## Protanomaly

77.2944, 86.7486, 83.9045



## Deuteranomaly

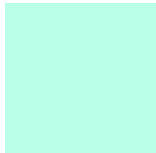
79.3807, 86.3254, 91.0759



## Tritanomaly

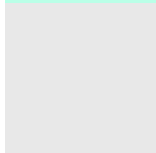
76.2424, 87.6706, 100.0925

# Monochromacy



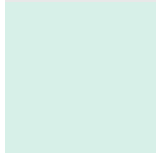
## Original Color

70.4335, 87.7286, 88.8224



## 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 70.4335, 87.7286, 88.8224 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 70.4335, 87.7286, 88.8224 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, 231) }
```



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

```
.border{ border-color:rgb(186, 255, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.4335, 87.7286, 88.8224 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, 231) }
```

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

```
.background{ background-color: rgb(186,  
255, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor