

# Converting Colors

XYZ(70.7392, 87.7841, 93.4500)

Have a look what the booklet for  
XYZ(70.7392, 87.7841, 93.4500)  
contains.

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# Color

**XYZ(70.8132, 87.8248,  
93.3404)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8FFED
RGB	184, 255, 237
RGB Percent	72%, 100%, 93%
CMY	0.2784, 0.0000, 0.0706
CMYK	0.28, 0.00, 0.07, 0.00
HSL	165°, 100%, 86%
HSV	165°, 28%, 100%
XYZ	70.8132, 87.8248, 93.3404
YIQ	231.7190, -36.5380, -20.6500

# Conversions

## Conversions Part 2

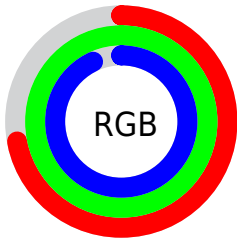
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 225, 255
Decimal	12124141
CIELab	95.09, -25.55, 1.54
CIELCh	95, 25.595, 176.554
Yxy	87.8248, 0.2810, 0.3485
Android (android.graphics.Color)	4290314221 (0xFFB8FFED)
YUV	231.7190, 2.6035, -41.8496
Hunter-Lab	93.7149, -29.1222, 6.5473

# Details

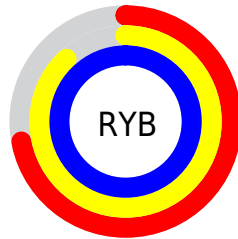
The XYZ color **70.8132, 87.8248, 93.3404** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **69.0417, 59.8063, 63.7824**, and the grayscale version is **76.4922, 80.4757, 87.6381**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **37.5878, 48.3915, 51.0755** is the 20% darker color. If you saturate the color by 10%, you get **64.3182, 84.5836, 88.1956**, and if you desaturate by 10%, it is **78.4451, 91.6480, 98.7190**.

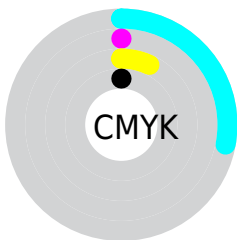
# Distribution



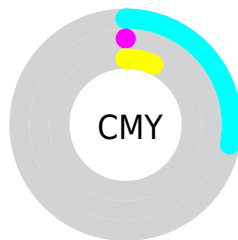
- Red (72%)
- Green (100%)
- Blue (93%)



- Red (72%)
- Yellow (88%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8132, 87.8248, 93.3404 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 70.8132, 87.8248, 93.3404 by changing the saturation by 10% instead.





 70.8132, 87.8248,  
93.3404

 70.8132, 87.8248,  
93.3404


452.6222,  
520.9293, 559.6862

 52.4718, 66.1780,  
70.1652


 119.3877,  
144.3132, 153.9456

 37.6070, 48.4169,  
51.1836


150.3514,  
179.9236, 192.2127

 25.8537, 34.1572,  
35.9770


186.2533,  
220.9573, 236.3475

 16.8463, 23.0144,  
24.1269

227.4586,  
267.7987, 286.7686

 10.2196, 14.6041,  
15.2147

274.3329,  
320.8322, 343.8944

 5.6082, 8.5420,  
8.8219

327.2413,

 2.6467, 4.4437,

380.4422, 408.1436

4.5300

386.5493,  
447.0131, 479.9347

■ 0.9698, 1.9247,  
1.9204

■ 0.0000, 0.5632,  
0.5056

■ 70.8132, 87.8248,  
93.3404

■ 70.8132, 87.8248,  
93.3404

■ 64.3182, 84.5836,  
88.1956

■ 78.4451, 91.6480,  
98.7190

■ 58.8977, 81.8925,  
83.2757

■ 87.2662, 96.0804,  
104.3313

■ 54.4877, 79.7185,  
78.5770

95.0500, 100.0000,  
108.9000

■ 51.0159, 78.0243,  
74.0944

■ 48.4000, 76.7677,  
69.8221

■ 46.5431, 75.8985,  
65.7535

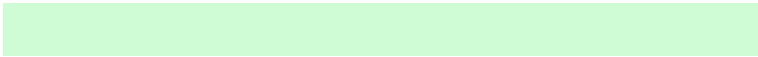
■ 45.3158, 75.3503,  
61.8806

■ 45.0933, 75.2533,  
61.0685

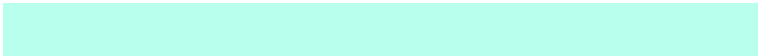
# Harmonies

## Analogous

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



72.7962, 87.8248, 76.0149



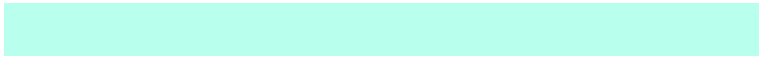
70.8132, 87.8248, 93.3404



72.0642, 87.8248, 113.8086

# Triad

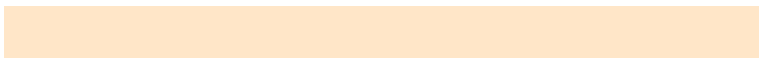
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.8132, 87.8248, 93.3404



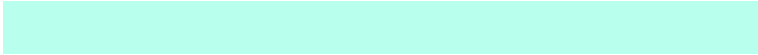
89.6031, 87.8248, 134.1817



91.0721, 87.8248, 67.0721

# Complementary

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



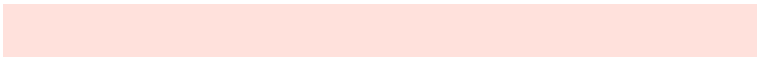
70.8132, 87.8248, 93.3404



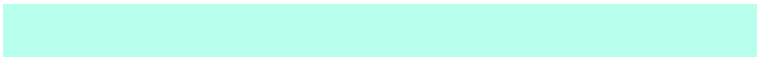
69.0417, 59.8063, 63.7824

# 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.



96.0306, 87.8248, 79.4916



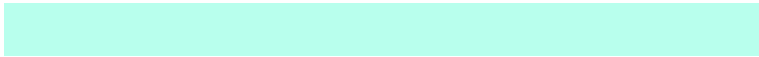
70.8132, 87.8248, 93.3404



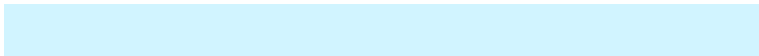
95.1499, 87.8248, 118.3501

# Square

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



70.8132, 87.8248, 93.3404



82.6728, 87.8248, 139.2254



97.5624, 87.8248, 97.9492

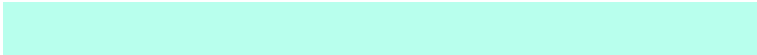


84.2820, 87.8248, 62.2364



# Rectangle

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



70.8132, 87.8248, 93.3404



74.6038, 87.8248, 126.2475



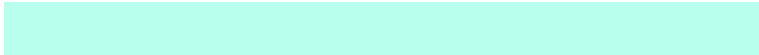
97.5624, 87.8248, 97.9492



93.0226, 87.8248, 70.4060

# Sweetspot

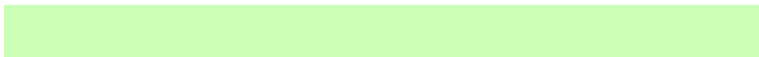
The Sweet Spot groups the original color and five complimentary colors.



70.8141, 87.8252, 93.3419



87.1175, 96.0055, 104.2409



69.0229, 87.6682, 58.6325



18.3466, 20.3982, 22.1280



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

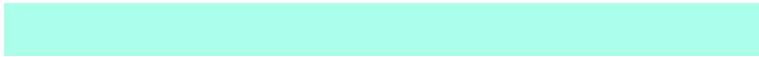


# Same Dimension

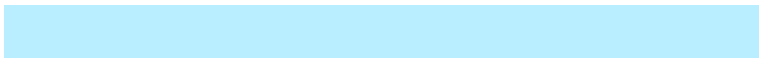
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8141, 87.8252, 93.3419



67.3255, 86.0825, 90.6590



68.5188, 78.8127, 106.2088



18.3466, 20.3982, 22.1280



23.6257, 39.3469, 32.2438



2.3444, 3.8487, 3.3714



# Inverse Universe

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



69.0417, 59.8063, 63.7824



65.3092, 54.1430, 56.9836



70.6782, 66.2932, 54.4195



18.1983, 18.0626, 19.6613



22.0923, 11.3262, 3.8706

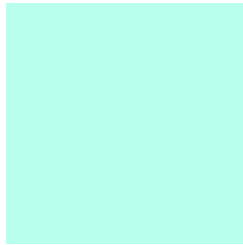


2.1929, 1.1195, 0.5971



# Previews

## White Background



This preview shows how the XYZ color 70.8132, 87.8248, 93.3404 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

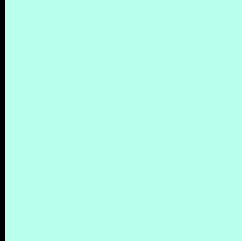
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.8132, 87.8248, 93.3404 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

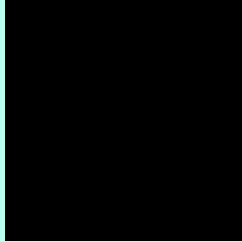
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

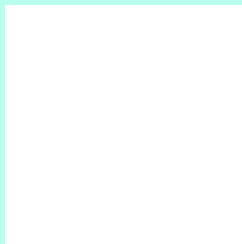
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 70.8132, 87.8248, 93.3404

## Background



This preview shows how black text looks on a background with the XYZ color 70.8132, 87.8248, 93.3404.



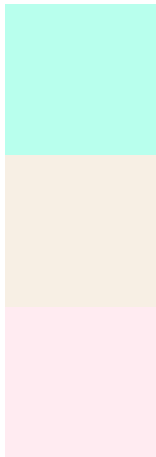
This preview shows how white text looks on a background with the XYZ color 70.8132, 87.8248,

93.3404.

# 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

70.8132, 87.8248, 93.3404

### Protanopia

83.2279, 87.1086, 85.8258

### Deuteranopia

86.8255, 87.0275, 95.4409



## **Tritanopia**

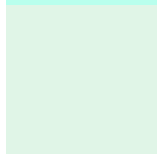
79.6158, 87.4302, 107.2873

# Trichromacy



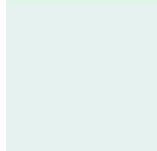
## Original Color

70.8132, 87.8248, 93.3404



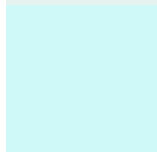
## Protanomaly

77.8167, 86.9216, 88.2775



## Deuteranomaly

79.7934, 86.4535, 94.9197



## Tritanomaly

76.2726, 87.6505, 101.7052

# Monochromacy



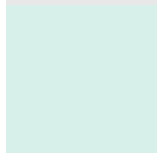
## Original Color

70.8132, 87.8248, 93.3404



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.0357, 82.7078, 89.9040

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.8132, 87.8248, 93.3404 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(184, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 237)  
}
```

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(184, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8132, 87.8248, 93.3404 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(184, 255, 237) }
```



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

```
.border{ border-color:rgb(184, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.8132, 87.8248, 93.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 237) }
```

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

```
.background{ background-color: rgb(184,  
255, 237) }
```

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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