

# Converting Colors

XYZ(71.0968, 87.8574, 98.4840)

Have a look what the booklet for  
XYZ(71.0968, 87.8574, 98.4840)  
contains.

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# Color

**XYZ(71.1452, 87.8754,  
98.7999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5FFF4
RGB	181, 255, 244
RGB Percent	71%, 100%, 96%
CMY	0.2902, 0.0000, 0.0431
CMYK	0.29, 0.00, 0.04, 0.00
HSL	171°, 100%, 85%
HSV	171°, 29%, 100%
XYZ	71.1452, 87.8754, 98.7999
YIQ	231.6200, -40.5730, -19.1090

# Conversions

## Conversions Part 2

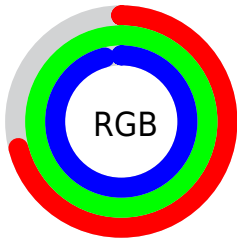
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 221, 255
Decimal	11927540
CIELab	95.11, -24.93, -2.06
CIElCh	95, 25.018, 184.721
Yxy	87.8754, 0.2759, 0.3408
Android (android.graphics.Color)	4290117620 (0xFFB5FFF4)
YUV	231.6200, 6.1033, -44.3937
Hunter-Lab	93.7419, -28.5761, 3.1302

# Details

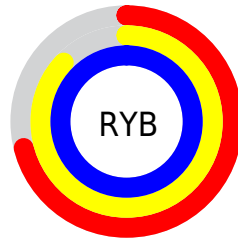
The XYZ color **71.1452, 87.8754, 98.7999** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67.2791, 58.1148, 57.5411**, and the grayscale version is **76.3952, 80.3737, 87.5270**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **37.8754, 48.4546, 54.9334** is the 20% darker color. If you saturate the color by 10%, you get **65.1340, 84.8423, 95.5464**, and if you desaturate by 10%, it is **78.2645, 91.4783, 102.1699**.

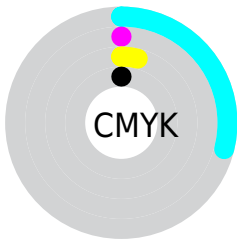
# Distribution



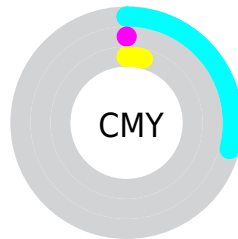
- Red (71%)
- Green (100%)
- Blue (96%)



- Red (71%)
- Yellow (87%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1452, 87.8754, 98.7999 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 71.1452, 87.8754, 98.7999 by changing the saturation by 10% instead.




 71.1452, 87.8754,  
98.7999

 71.1452, 87.8754,  
98.7999


453.7648,  
521.0951, 577.5519

 52.7437, 66.2199,  
74.6874

 119.8578,  
144.3837, 161.5445

 37.8248, 48.4509,  
54.8566


150.8997,  
180.0052, 201.0136

 26.0234, 34.1841,  
38.8891

186.8856,  
221.0509, 246.4386

 16.9739, 23.0351,  
26.3663

228.1810,  
267.9051, 298.2382

 10.3111, 14.6194,  
16.8697

275.1513,  
320.9522, 356.8307

 5.6695, 8.5527,  
9.9806

328.1618,

 2.6839, 4.4506,

380.5767, 422.6348

5.2807

387.5778,  
447.1628, 496.0691

■ 0.9889, 1.9287,  
2.3513

■ 0.0000, 0.5655,  
0.7597

■ 71.1452, 87.8754,  
98.7999

■ 71.1452, 87.8754,  
98.7999

■ 65.1340, 84.8423,  
95.5464

■ 78.2645, 91.4783,  
102.1699

■ 60.1681, 82.3467,  
92.4019

■ 86.5442, 95.6781,  
105.6549

■ 56.1829, 80.3554,  
89.3643

95.0500, 100.0000,  
108.9000

■ 53.1055, 78.8307,  
86.4298

■ 50.8524, 77.7297,  
83.5942

■ 49.3250, 77.0013,  
80.8525

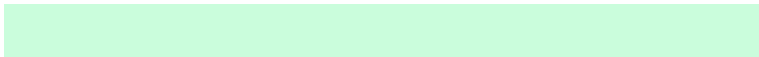
■ 48.3772, 76.5705,  
78.1975

■ 48.2973, 76.5349,  
77.9407

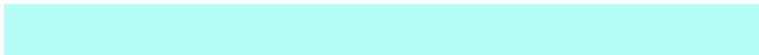
# Harmonies

## Analogous

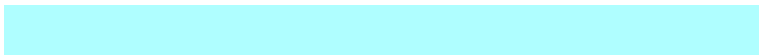
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2372, 87.8754, 80.5493



71.1452, 87.8754, 98.7999



73.2195, 87.8754, 118.6610

# Triad

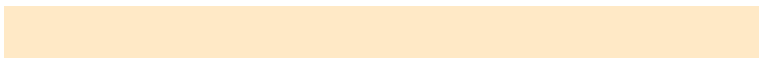
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.1452, 87.8754, 98.7999



91.2025, 87.8754, 129.9195



89.2381, 87.8754, 65.6293

# Complementary

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



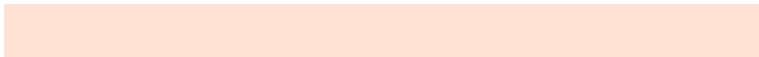
71.1452, 87.8754, 98.7999



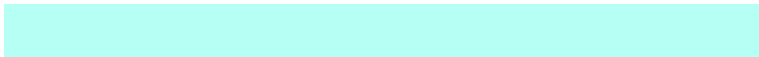
67.2791, 58.1148, 57.5411

# 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.



94.7502, 87.8754, 75.8783



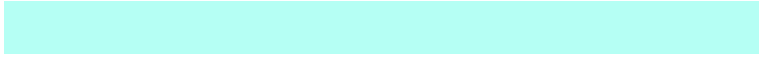
71.1452, 87.8754, 98.7999



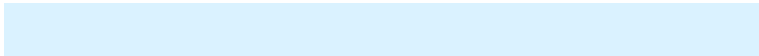
95.9269, 87.8754, 112.5989

# Square

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



71.1452, 87.8754, 98.7999



84.6048, 87.8754, 138.1151



97.2590, 87.8754, 92.6292

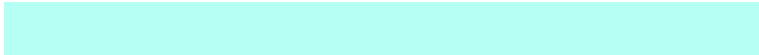


82.4503, 87.8754, 62.9728



# Rectangle

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



71.1452, 87.8754, 98.7999



76.1887, 87.8754, 129.6627



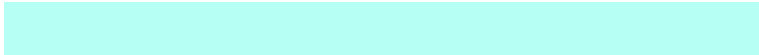
97.2590, 87.8754, 92.6292



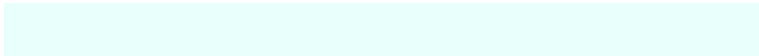
91.3133, 87.8754, 68.2254

# Sweetspot

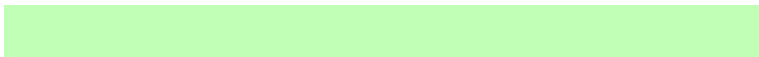
The Sweet Spot groups the original color and five complimentary colors.



71.1462, 87.8759, 98.8014



86.5605, 95.6864, 105.6614



65.8650, 86.0762, 56.8606



18.2537, 20.3418, 22.5058



0.0000, 0.0000, 0.0000

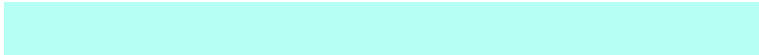


20.3446, 21.4041, 23.3091

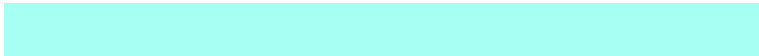


# Same Dimension

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



71.1462, 87.8759, 98.8014



67.4207, 85.9949, 96.8410



65.1541, 73.1387, 105.2909



18.4320, 20.4323, 22.5776



25.2805, 40.0088, 40.9581



2.4917, 3.9076, 4.1469



# Inverse Universe

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



67.2791, 58.1148, 57.5411



62.9690, 51.6969, 49.3155



71.8699, 69.1745, 53.2818



18.1194, 18.0311, 19.2457



21.7635, 11.1947, 2.1392

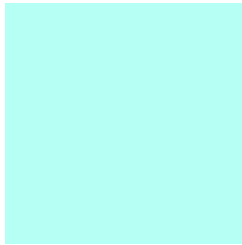


2.1500, 1.1024, 0.3716



# Previews

## White Background



This preview shows how the XYZ color 71.1452, 87.8754, 98.7999 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

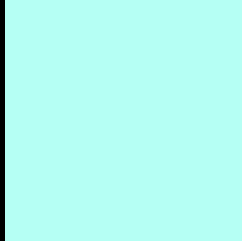
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.1452, 87.8754, 98.7999 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

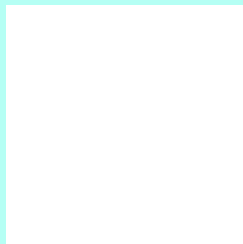
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.1452, 87.8754, 98.7999**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.1452, 87.8754, 98.7999.



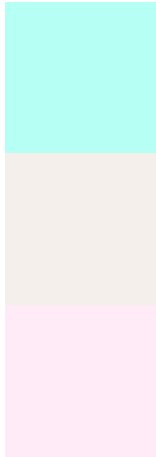
This preview shows how white text looks on a background with the XYZ color 71.1452, 87.8754,



# 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

71.1452, 87.8754, 98.7999

### Protanopia

83.5181, 87.1436, 91.0158

### Deuteranopia

87.4513, 86.8210, 100.1446



## Tritanopia

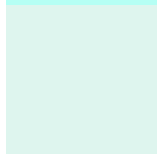
79.3177, 87.2765, 107.2733

# Trichromacy



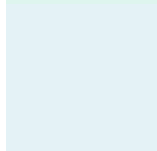
## Original Color

71.1452, 87.8754, 98.7999



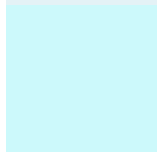
## Protanomaly

78.2092, 87.0075, 93.5610



## Deuteranomaly

80.3816, 86.6521, 99.6777



## Tritanomaly

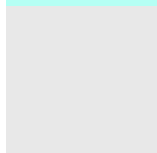
76.1901, 87.5538, 104.1507

# Monochromacy



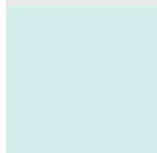
## Original Color

71.1452, 87.8754, 98.7999



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

73.7410, 82.5224, 91.3987

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1452, 87.8754, 98.7999 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(181, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 244)  
}
```

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(181, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1452, 87.8754, 98.7999 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(181, 255, 244) }
```



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

```
.border{ border-color:rgb(181, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1452, 87.8754, 98.7999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 244) }
```

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

```
.background{ background-color: rgb(181,  
255, 244) }
```

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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