

# Converting Colors

XYZ(71.3847, 88.0258, 97.5949)

Have a look what the booklet for  
XYZ(71.3847, 88.0258, 97.5949)  
contains.

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# Color

**XYZ(71.3155, 87.9981,  
97.2310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7FFF2
RGB	183, 255, 242
RGB Percent	72%, 100%, 95%
CMY	0.2823, 0.0000, 0.0510
CMYK	0.28, 0.00, 0.05, 0.00
HSL	169°, 100%, 86%
HSV	169°, 28%, 100%
XYZ	71.3155, 87.9981, 97.2310
YIQ	231.9900, -38.7390, -19.3070

# Conversions

## Conversions Part 2

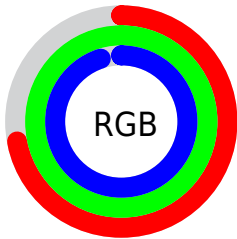
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 223, 255
Decimal	12058610
CIELab	95.16, -24.79, -0.94
CIELCh	95, 24.812, 182.170
Yxy	87.9981, 0.2780, 0.3430
Android (android.graphics.Color)	4290248690 (0xFFB7FFF2)
YUV	231.9900, 4.9349, -42.9642
Hunter-Lab	93.8073, -28.4610, 4.2112

# Details

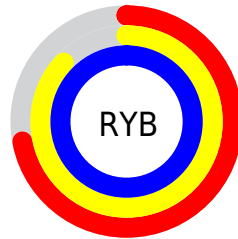
The XYZ color **71.3155, 87.9981, 97.2310** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **68.1381, 59.1138, 60.0442**, and the grayscale version is **76.6792, 80.6725, 87.8524**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **37.9591, 48.5225, 53.8195** is the 20% darker color. If you saturate the color by 10%, you get **65.1073, 84.8765, 93.3773**, and if you desaturate by 10%, it is **78.6418, 91.6940, 101.2307**.

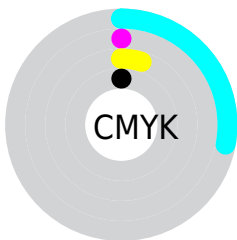
# Distribution



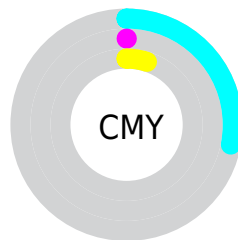
- Red (72%)
- Green (100%)
- Blue (95%)



- Red (72%)
- Yellow (87%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (28%)
- Magenta (0%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3155, 87.9981, 97.2310 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 71.3155, 87.9981, 97.2310 by changing the saturation by 10% instead.



71.3155, 87.9981,  
97.2310

71.3155, 87.9981,  
97.2310

454.3503,  
521.4970, 572.4487

52.8832, 66.3215,  
73.3861

120.0989,  
144.5545, 159.3652

37.9366, 48.5334,  
53.7980

151.1807,  
180.2031, 198.4917

26.1105, 34.2495,  
38.0481

187.2097,  
221.2778, 243.5490

17.0394, 23.0853,  
25.7179

228.5513,  
268.1631, 294.9558

10.3581, 14.6565,  
16.3889

275.5708,  
321.2432, 353.1307

5.7011, 8.5787,  
9.6424

328.6335,

2.7031, 4.4674,

380.9026, 418.4921

5.0600

388.1049,  
447.5258, 491.4586

■ 0.9988, 1.9383,  
2.2232

■ 0.0000, 0.5713,  
0.6877

■ 71.3155, 87.9981,  
97.2310

■ 71.3155, 87.9981,  
97.2310

■ 65.1073, 84.8765,  
93.3773

■ 78.6418, 91.6940,  
101.2307

■ 59.9548, 82.2972,  
89.6619

■ 87.1383, 95.9912,  
105.3753

■ 55.7939, 80.2271,  
86.0824

95.0500, 100.0000,  
108.9000

■ 52.5522, 78.6289,  
82.6348

■ 50.1472, 77.4601,  
79.3145

■ 48.4816, 76.6705,  
76.1164

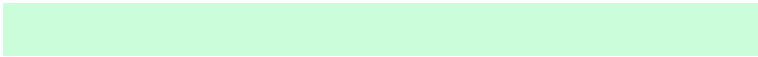
■ 47.4213, 76.1910,  
73.0334

■ 47.2640, 76.1216,  
72.4993

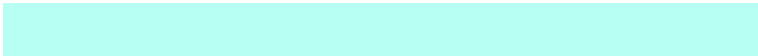
# Harmonies

## Analogous

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



72.6669, 87.9981, 79.4710



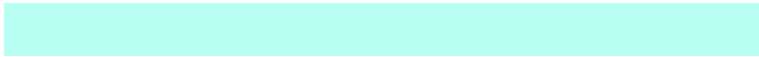
71.3155, 87.9981, 97.2310



73.1158, 87.9981, 117.0255

# Triad

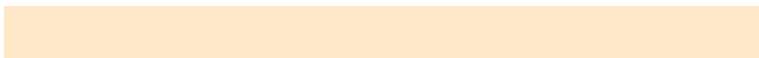
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.3155, 87.9981, 97.2310



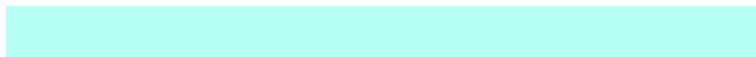
90.7503, 87.9981, 130.8927



89.8535, 87.9981, 66.5300

# Complementary

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



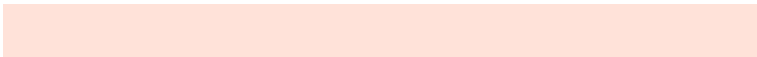
71.3155, 87.9981, 97.2310



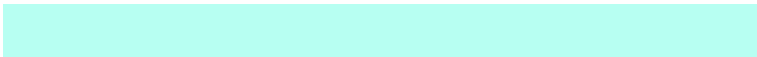
68.1381, 59.1138, 60.0442

# 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.



95.1275, 87.9981, 77.3359



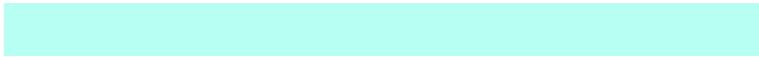
71.3155, 87.9981, 97.2310



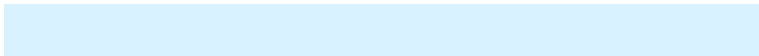
95.6646, 87.9981, 114.2589

# Square

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



71.3155, 87.9981, 97.2310



84.1325, 87.9981, 138.0194



97.3074, 87.9981, 94.4128

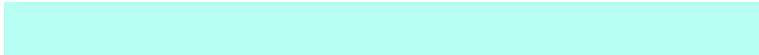


83.1485, 87.9981, 63.2320



# Rectangle

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



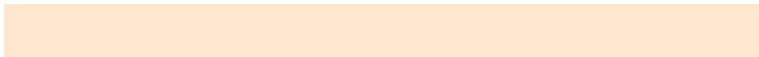
71.3155, 87.9981, 97.2310



75.9207, 87.9981, 128.3149



97.3074, 87.9981, 94.4128



91.8646, 87.9981, 69.3259

# Sweetspot

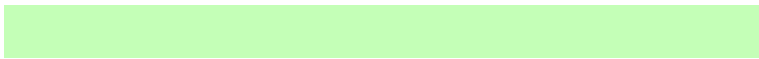
The Sweet Spot groups the original color and five complimentary colors.



71.3165, 87.9986, 97.2325



87.3516, 96.0992, 105.4741



67.1252, 86.7020, 57.9987



18.4059, 20.4219, 22.4402



0.0000, 0.0000, 0.0000

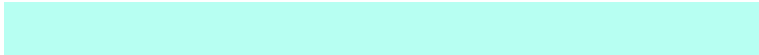


20.3446, 21.4041, 23.3091

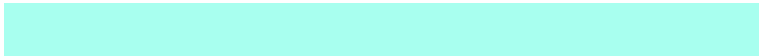


# Same Dimension

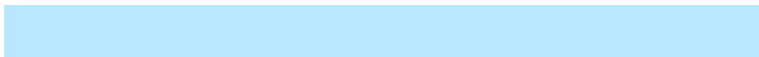
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.3165, 87.9986, 97.2325



67.6038, 86.1303, 94.9924



66.4924, 75.1141, 105.6017



18.4059, 20.4219, 22.4402



24.7475, 39.7956, 38.1510



2.4446, 3.8888, 3.8991



# Inverse Universe

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



68.1381, 59.1138, 60.0442



63.9448, 52.8349, 52.1493



71.8113, 68.7264, 54.2821



18.1433, 18.0406, 19.3715



21.8452, 11.2274, 2.5693

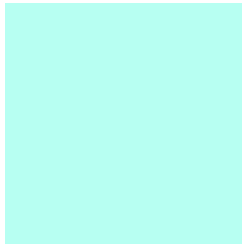


2.1615, 1.1070, 0.4320



# Previews

## White Background



This preview shows how the XYZ color 71.3155, 87.9981, 97.2310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

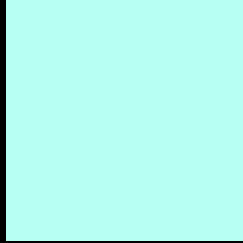
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.3155, 87.9981, 97.2310 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

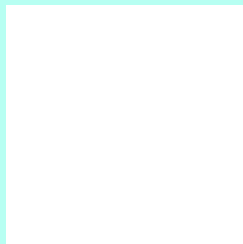
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.3155, 87.9981, 97.2310

## Background



This preview shows how black text looks on a background with the XYZ color 71.3155, 87.9981, 97.2310.



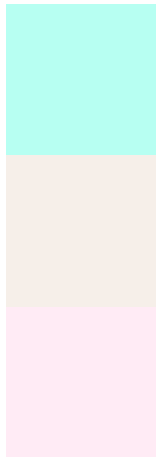
This preview shows how white text looks on a background with the XYZ color 71.3155, 87.9981,



# 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

71.3155, 87.9981, 97.2310

### Protanopia

83.5805, 87.2090, 89.5187

### Deuteranopia

87.4298, 87.2692, 98.6228



## Tritanopia

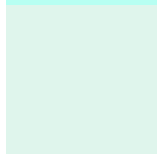
79.6158, 87.4302, 107.2873

# Trichromacy



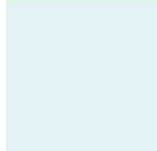
## Original Color

71.3155, 87.9981, 97.2310



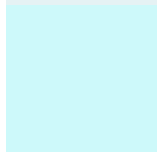
## Protanomaly

78.2242, 87.0489, 92.0361



## Deuteranomaly

80.3944, 86.6939, 98.0843



## Tritanomaly

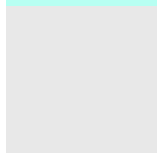
76.3078, 87.6326, 103.3354

# Monochromacy



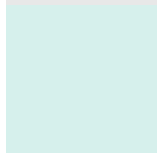
## Original Color

71.3155, 87.9981, 97.2310



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.0320, 82.6724, 91.4124

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.3155, 87.9981, 97.2310 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(183, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 242)  
}
```

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(183, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 71.3155, 87.9981, 97.2310 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(183, 255, 242) }
```



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

```
.border{ border-color:rgb(183, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.3155, 87.9981, 97.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 242) }
```

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

```
.background{ background-color: rgb(183,  
255, 242) }
```

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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