

# Converting Colors

XYZ(70.0229, 87.3594, 95.9226)

Have a look what the booklet for  
XYZ(70.0229, 87.3594, 95.9226)  
contains.

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# Color

**XYZ(70.0786, 87.3950,  
95.6135)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3FFF0
RGB	179, 255, 240
RGB Percent	70%, 100%, 94%
CMY	0.2980, 0.0000, 0.0588
CMYK	0.30, 0.00, 0.06, 0.00
HSL	168°, 100%, 85%
HSV	168°, 30%, 100%
XYZ	70.0786, 87.3950, 95.6135
YIQ	230.5660, -40.4810, -20.7770

# Conversions

## Conversions Part 2

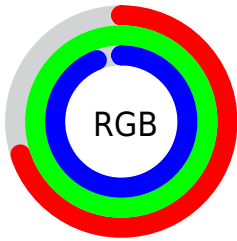
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 221, 255
Decimal	11796464
CIE <sub>Lab</sub>	94.91, -26.34, -0.30
CIE <sub>LCh</sub>	95, 26.341, 180.662
Yxy	87.3950, 0.2769, 0.3453
Android (android.graphics.Color)	4289986544 (0xFFB3FFF0)
YUV	230.5660, 4.6510, -45.2234
Hunter-Lab	93.4853, -29.7918, 4.8000

# Details

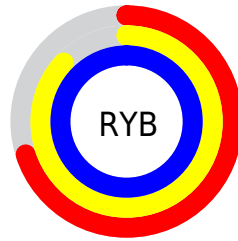
The XYZ color **70.0786, 87.3950, 95.6135** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67.0984, 57.3965, 58.5817**, and the grayscale version is **75.6212, 79.5594, 86.6401**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **37.1580, 48.1339, 52.6797** is the 20% darker color. If you saturate the color by 10%, you get **63.9830, 84.3377, 91.4807**, and if you desaturate by 10%, it is **77.2866, 91.0232, 99.9095**.

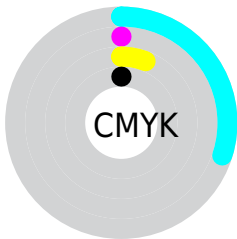
# Distribution



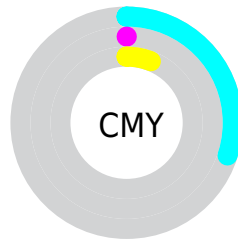
- Red (70%)
- Green (100%)
- Blue (94%)



- Red (70%)
- Yellow (87%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0786, 87.3950, 95.6135 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 70.0786, 87.3950, 95.6135 by changing the saturation by 10% instead.




 70.0786, 87.3950,  
95.6135

 70.0786, 87.3950,  
95.6135


450.0880,  
519.5200, 567.1616

 51.8704, 65.8221,  
72.0460


 118.3465,  
143.7146, 157.1148

 37.1257, 48.1280,  
52.7092


149.1369,  
179.2301, 195.8856

 25.4789, 33.9283,  
37.1845

184.8522,  
220.1619, 240.5613

 16.5649, 22.8385,  
25.0535

225.8576,  
266.8945, 291.5604

 10.0181, 14.4743,  
15.8975

272.5186,  
319.8122, 349.3014

 5.4733, 8.4513,  
9.2981

325.2004,

 2.5652, 4.3851,

379.2994, 414.2030

4.8367

384.2684,  
445.7405, 486.6835

■ 0.9282, 1.8912,  
2.0947

■ 0.0000, 0.5431,  
0.6126

■ 70.0786, 87.3950,  
95.6135

■ 70.0786, 87.3950,  
95.6135

■ 63.9830, 84.3377,  
91.4807

■ 77.2866, 91.0232,  
99.9095

■ 58.9366, 81.8191,  
87.5029

■ 85.6599, 95.2498,  
104.3677

■ 54.8742, 79.8053,  
83.6777

95.0500, 100.0000,  
108.9000

■ 51.7221, 78.2584,  
80.0007

■ 49.3959, 77.1350,  
76.4671

■ 47.7949, 76.3832,  
73.0713

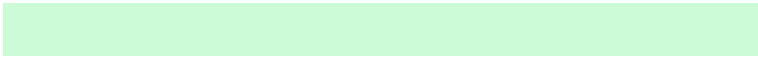
■ 46.7586, 75.9201,  
69.8047

■ 46.7403, 75.9121,  
69.7415

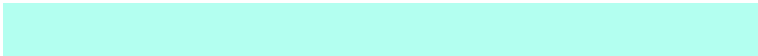
# Harmonies

## Analogous

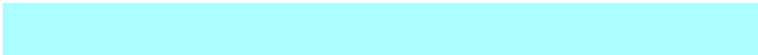
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.6619, 87.3950, 77.1617



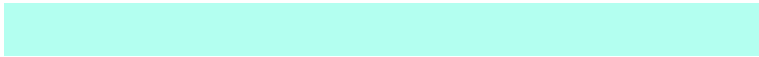
70.0786, 87.3950, 95.6135



71.8058, 87.3950, 116.6551

# Triad

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



70.0786, 87.3950, 95.6135



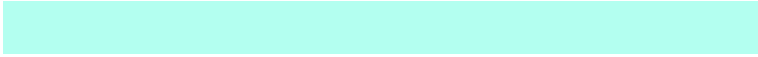
90.2675, 87.3950, 133.1522



89.9773, 87.3950, 64.8286

# Complementary

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



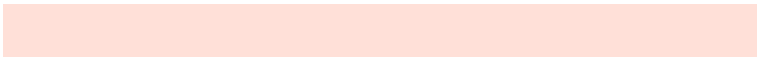
70.0786, 87.3950, 95.6135



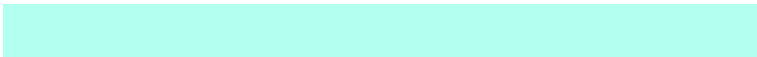
67.0984, 57.3965, 58.5817

# 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.



95.4465, 87.3950, 76.4793



70.0786, 87.3950, 95.6135



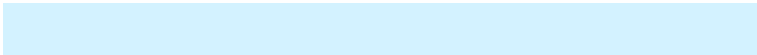
95.6207, 87.3950, 115.7558

# Square

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



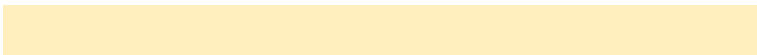
70.0786, 87.3950, 95.6135



83.2251, 87.3950, 140.1462



97.5671, 87.3950, 94.7045

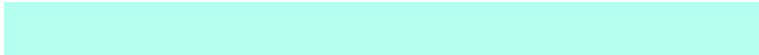


82.9077, 87.3950, 61.0034



# Rectangle

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



70.0786, 87.3950, 95.6135



74.6627, 87.3950, 128.9289



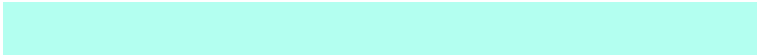
97.5671, 87.3950, 94.7045



92.0780, 87.3950, 67.8686

# Sweetspot

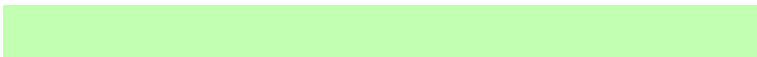
The Sweet Spot groups the original color and five complimentary colors.



70.0795, 87.3954, 95.6150



86.3842, 95.6159, 104.7328



66.1971, 86.2709, 55.8124



18.2100, 20.3244, 22.2757



0.0000, 0.0000, 0.0000

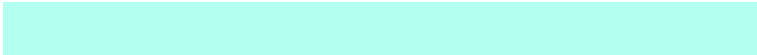


20.3446, 21.4041, 23.3091

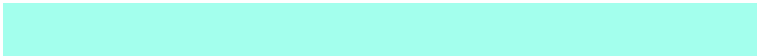


# Same Dimension

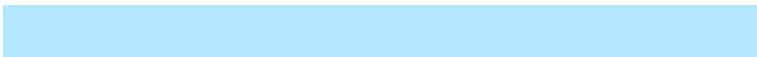
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0795, 87.3954, 95.6150



66.1742, 85.4353, 93.0342



65.5543, 74.6304, 105.5578



18.3921, 20.4164, 22.3680



24.4771, 39.6874, 36.7272



2.4206, 3.8792, 3.7727



# Inverse Universe

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



67.0984, 57.3965, 58.5817



62.7458, 50.8747, 50.3994



70.4511, 66.6630, 51.8035



18.1559, 18.0457, 19.4381



21.8945, 11.2471, 2.8290

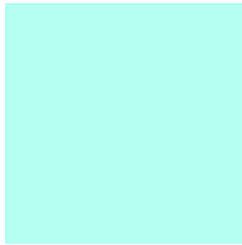


2.1681, 1.1096, 0.4667



# Previews

## White Background



This preview shows how the XYZ color 70.0786, 87.3950, 95.6135 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

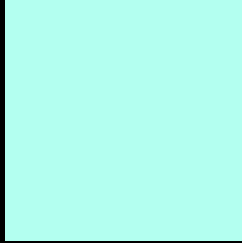
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.0786, 87.3950, 95.6135 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

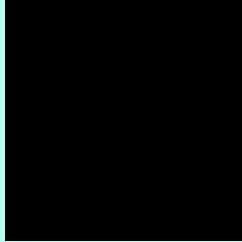
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

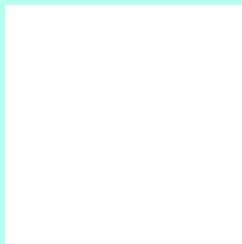
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.0786, 87.3950, 95.6135**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.0786, 87.3950, 95.6135.



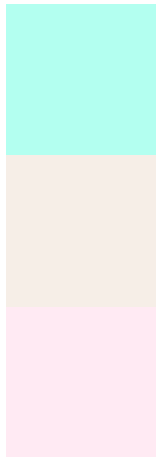
This preview shows how white text looks on a background with the XYZ color 70.0786, 87.3950,

95.6135.

# 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

70.0786, 87.3950, 95.6135

### Protanopia

83.0044, 86.5114, 87.9249

### Deuteranopia

86.8405, 86.5767, 96.9280



## **Tritanopia**

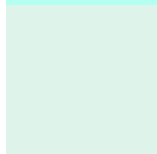
79.0213, 87.1237, 107.2594

# Trichromacy



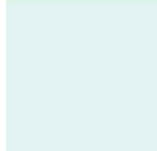
## Original Color

70.0786, 87.3950, 95.6135



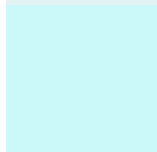
## Protanomaly

77.3262, 86.1715, 90.3991



## Deuteranomaly

79.4577, 86.2460, 96.4637



## Tritanomaly

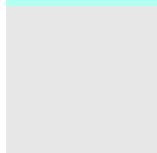
75.7596, 87.3500, 103.3098

# Monochromacy



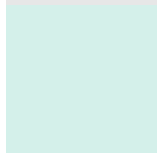
## Original Color

70.0786, 87.3950, 95.6135



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

73.1627, 82.2577, 89.8631

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.0786, 87.3950, 95.6135 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(179, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 240)  
}
```

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(179, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 70.0786, 87.3950, 95.6135 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(179, 255, 240) }
```



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

```
.border{ border-color:rgb(179, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.0786, 87.3950, 95.6135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 240) }
```

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

```
.background{ background-color: rgb(179,  
255, 240) }
```

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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