

Converting Colors

XYZ(70.6339, 87.6364, 97.6672)

Have a look what the booklet for
XYZ(70.6339, 87.6364, 97.6672)
contains.

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Color

**XYZ(70.7601, 87.6944,
97.9913)**

Conversions

Conversions Part 1

Format	Color
Hex	B4FFF3
RGB	180, 255, 243
RGB Percent	71%, 100%, 95%
CMY	0.2941, 0.0000, 0.0471
CMYK	0.29, 0.00, 0.05, 0.00
HSL	170°, 100%, 85%
HSV	170°, 29%, 100%
XYZ	70.7601, 87.6944, 97.9913
YIQ	231.2070, -40.8480, -19.6320

Conversions

Conversions Part 2

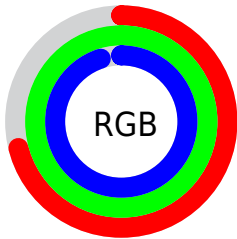
Format	Color
R_{YB}	180, 221, 255
Decimal	11862003
CIE _{Lab}	95.03, -25.42, -1.66
CIE _{LCh}	95, 25.479, 183.738
Yxy	87.6944, 0.2759, 0.3420
Android (android.graphics.Color)	4290052083 (0xFFB4FFF3)
YUV	231.2070, 5.8139, -44.9085
Hunter-Lab	93.6453, -29.0014, 3.5101

Details

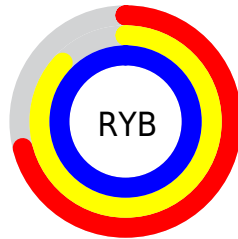
The XYZ color **70.7601, 87.6944, 97.9913** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67.0765, 57.7096, 57.4737**, and the grayscale version is **76.0896, 80.0521, 87.1768**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **37.6212, 48.3360, 54.3606** is the 20% darker color. If you saturate the color by 10%, you get **64.7509, 84.6669, 94.5308**, and if you desaturate by 10%, it is **77.8769, 91.2912, 101.5780**.

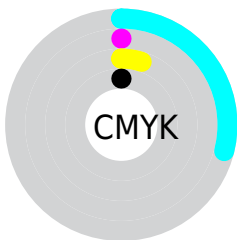
Distribution



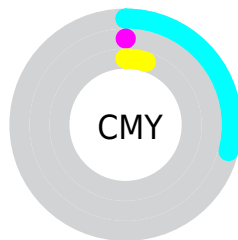
- Red (71%)
- Green (100%)
- Blue (95%)



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



- Cyan (29%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (29%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7601, 87.6944, 97.9913 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 70.7601, 87.6944, 97.9913 by changing the saturation by 10% instead.


 70.7601, 87.6944,
97.9913

 70.7601, 87.6944,
97.9913


452.4393,
520.5019, 574.9248

 52.4283, 66.0700,
74.0165


 119.3124,
144.1316, 160.4217

 37.5722, 48.3292,
54.3107


150.2637,
179.7132, 199.7145

 25.8265, 34.0877,
38.4553


186.1521,
220.7161, 244.9504

 16.8259, 22.9610,
26.0316

227.3430,
267.5245, 296.5478

 10.2050, 14.5647,
16.6213

274.2019,
320.5229, 354.9255

 5.5984, 8.5145,
9.8058

327.0939,

 2.6408, 4.4259,

380.0957, 420.5018

5.1665

386.3846,
446.6272, 493.6954

■ 0.9668, 1.9145,
2.2848

■ 0.0000, 0.5571,
0.7227

■ 70.7601, 87.6944,
97.9913

■ 70.7601, 87.6944,
97.9913

■ 64.7509, 84.6669,
94.5308

■ 77.8769, 91.2912,
101.5780

■ 59.7864, 82.1764,
91.1888

■ 86.1540, 95.4846,
105.2894

■ 55.8018, 80.1896,
87.9632

95.0500, 100.0000,
108.9000

■ 52.7236, 78.6684,
84.8501

■ 50.4682, 77.5699,
81.8451

■ 48.9357, 76.8425,
78.9431

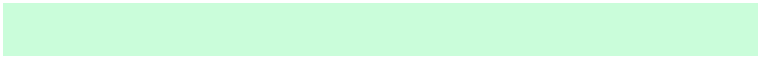
■ 47.9733, 76.4075,
76.1364

■ 47.9237, 76.3855,
75.9734

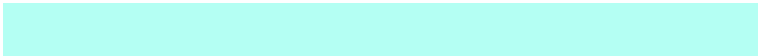
Harmonies

Analogous

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



71.9736, 87.6944, 79.5885



70.7601, 87.6944, 97.9913



72.7634, 87.6944, 118.2627

Triad

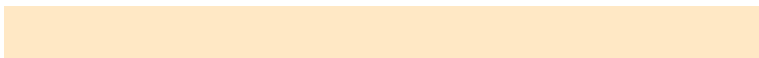
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7601, 87.6944, 97.9913



90.9652, 87.6944, 130.8276



89.3812, 87.6944, 65.2126

Complementary

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



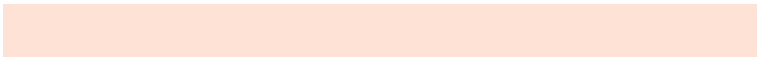
70.7601, 87.6944, 97.9913



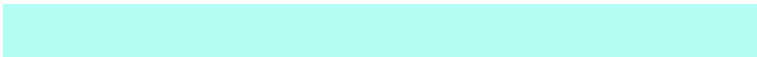
67.0765, 57.7096, 57.4737

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.



94.9186, 87.6944, 75.8363



70.7601, 87.6944, 97.9913



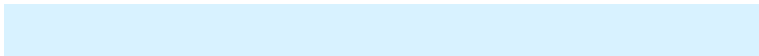
95.8681, 87.6944, 113.3671

Square

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



70.7601, 87.6944, 97.9913



84.2217, 87.6944, 138.8052



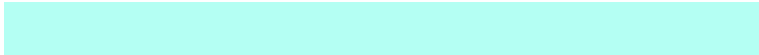
97.3531, 87.6944, 93.0204



82.4861, 87.6944, 62.2690

Rectangle

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



70.7601, 87.6944, 97.9913



75.7222, 87.6944, 129.6427



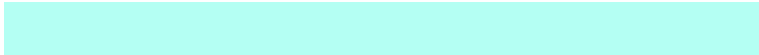
97.3531, 87.6944, 93.0204



91.4755, 87.6944, 67.9241

Sweetspot

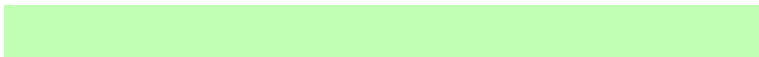
The Sweet Spot groups the original color and five complimentary colors.



70.7611, 87.6949, 97.9928



86.5194, 95.6699, 105.4445



65.8643, 86.0876, 56.3269



18.2435, 20.3377, 22.4520



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

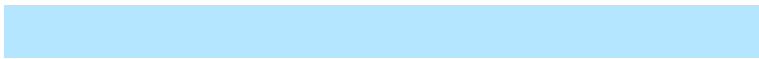
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7611, 87.6949, 97.9928



67.2691, 85.9342, 96.0427



65.1702, 73.5179, 105.3633



18.4227, 20.4286, 22.5287



25.0879, 39.9317, 39.9435



2.4747, 3.9008, 4.0575

Inverse Universe

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



67.0765, 57.7096, 57.4737



63.0719, 51.7381, 49.8574



71.3104, 68.2191, 52.5908



18.1279, 18.0345, 19.2904



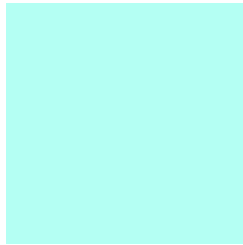
21.7908, 11.2056, 2.2830



2.1540, 1.1040, 0.3924

Previews

White Background



This preview shows how the XYZ color 70.7601, 87.6944, 97.9913 looks on a white background.

Color Contrast Check

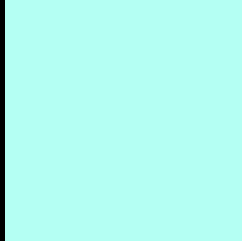
Large Text (above 18pt) WCAG AA × Fail

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 70.7601, 87.6944, 97.9913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

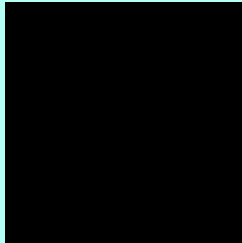
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

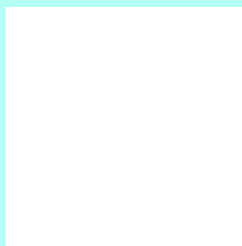
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7601, 87.6944, 97.9913

Background



This preview shows how black text looks on a background with the XYZ color 70.7601, 87.6944, 97.9913.



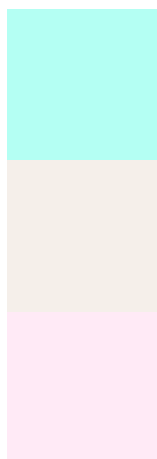
This preview shows how white text looks on a background with the XYZ color 70.7601, 87.6944,

97.9913.

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

70.7601, 87.6944, 97.9913

Protanopia

83.3740, 87.0860, 90.2569

Deuteranopia

87.2974, 86.7595, 99.3340



Tritanopia

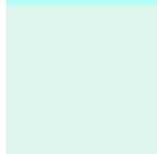
79.3177, 87.2765, 107.2733

Trichromacy



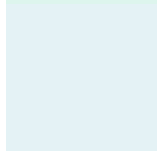
Original Color

70.7601, 87.6944, 97.9913



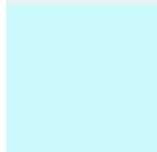
Protanomaly

77.7573, 86.7914, 92.7749



Deuteranomaly

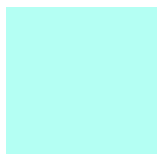
80.2285, 86.5908, 98.8714



Tritanomaly

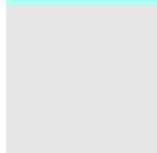
76.1901, 87.5538, 104.1507

Monochromacy



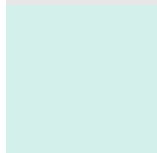
Original Color

70.7601, 87.6944, 97.9913



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.3069, 82.3154, 90.6220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7601, 87.6944, 97.9913 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(180, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 243)  
}
```

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(180, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 70.7601, 87.6944, 97.9913 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(180, 255, 243) }
```


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

```
.border{ border-color:rgb(180, 255, 243) }
```

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

Here you see how a box with a 4 pixel rgb(180, 255, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7601, 87.6944, 97.9913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 243) }
```

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

```
.background{ background-color: rgb(180,  
255, 243) }
```

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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