

Converting Colors

XYZ(76.4472, 89.5464,
135.6965)

Have a look what the booklet for
XYZ(76.4472, 89.5464, 135.6965)
contains.

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Color

**XYZ(70.9474, 87.1023,
107.6808)**

Conversions

Conversions Part 1

Format	Color
Hex	AEFEFF
RGB	174, 254, 255
RGB Percent	68%, 100%, 100%
CMY	0.3176, 0.0039, 0.0000
CMYK	0.32, 0.00, 0.00, 0.00
HSL	181°, 100%, 84%
HSV	181°, 32%, 100%
XYZ	70.9474, 87.1023, 107.6808
YIQ	230.1940, -48.0010, -16.6490

Conversions

Conversions Part 2

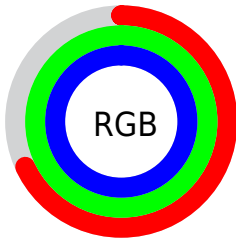
Format	Color
RYB	174, 214, 255
Decimal	11468543
CIELab	94.78, -23.95, -8.26
CIELCh	95, 25.330, 199.028
Yxy	87.1023, 0.2670, 0.3278
Android (android.graphics.Color)	4289658623 (0xFFAEFEFF)
YUV	230.1940, 12.2294, -49.2821
Hunter-Lab	93.3286, -27.6313, -3.0777

Details

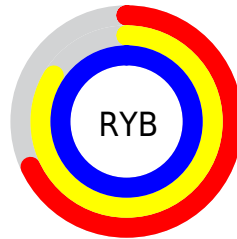
The XYZ color **70.9474, 87.1023, 107.6808** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.2102, 54.9758, 47.2735**, and the grayscale version is **75.2971, 79.2184, 86.2689**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **37.6305, 47.8613, 60.6809** is the 20% darker color. If you saturate the color by 10%, you get **65.6980, 84.2508, 107.4071**, and if you desaturate by 10%, it is **77.2799, 90.5168, 108.0061**.

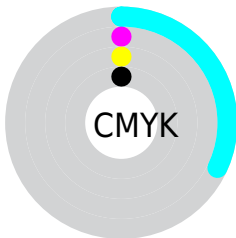
Distribution



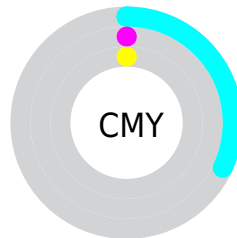
- Red (68%)
- Green (100%)
- Blue (100%)



- Red (68%)
- Yellow (84%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9474, 87.1023, 107.6808 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 70.9474, 87.1023, 107.6808 by changing the saturation by 10% instead.


 70.9474, 87.1023,
107.6808

 70.9474, 87.1023,
107.6808


453.0842,
518.5590, 606.0030

 52.5817, 65.5799,
82.0779


 119.5777,
143.3067, 173.8166

 37.6950, 47.9314,
60.8935


150.5731,
178.7575, 215.1865

 25.9222, 33.7726,
43.7093

186.5089,
219.6198, 262.6492

 16.8978, 22.7189,
30.1065

227.7507,
266.2782, 316.6232

 10.2565, 14.3861,
19.6667

274.6638,
319.1168, 377.5271

 5.6329, 8.3897,
11.9713

327.6135,

 2.6617, 4.3453,

378.5203, 445.7793

6.6019

386.9652,
444.8728, 521.7984

■ 0.9775, 1.8685,
3.1397

■ 0.0000, 0.5294,
1.1664

■ 70.9474, 87.1023,
107.6808

■ 70.9474, 87.1023,
107.6808

■ 65.6980, 84.2508,
107.4071

■ 77.2799, 90.5168,
108.0061

■ 61.4636, 81.9206,
107.1805

■ 84.7450, 94.5132,
108.3841

■ 58.1793, 80.0804,
106.9984

■ 93.3975, 99.1220,
108.8176

■ 55.7695, 78.6914,
106.8573

■ 95.0500, 100.0000,
108.9000

■ 54.1476, 77.7087,
106.7531

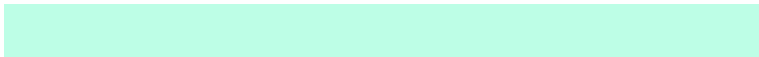
■ 53.2088, 77.0784,
106.6810

■ 52.8184, 76.7568,
106.6395

Harmonies

Analogous

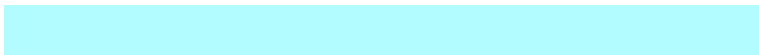
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.5161, 87.1023, 87.8380



70.9474, 87.1023, 107.6808



74.4466, 87.1023, 126.2758

Triad

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



70.9474, 87.1023, 107.6808



93.1392, 87.1023, 121.7933



85.3210, 87.1023, 62.4110

Complementary

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



70.9474, 87.1023, 107.6808



64.2102, 54.9758, 47.2735

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.



91.7306, 87.1023, 69.1085



70.9474, 87.1023, 107.6808



96.4073, 87.1023, 102.2037

Square

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



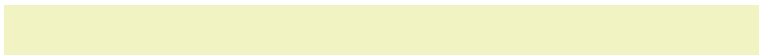
70.9474, 87.1023, 107.6808



87.1582, 87.1023, 135.1682



95.8780, 87.1023, 83.0622



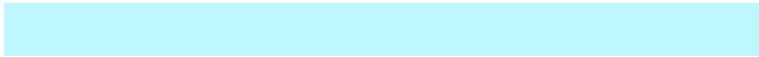
78.5666, 87.1023, 63.4548

Rectangle

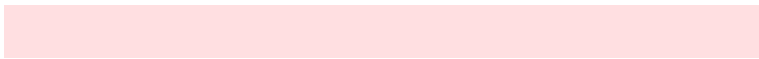
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.9474, 87.1023, 107.6808



78.1617, 87.1023, 134.6145



95.8780, 87.1023, 83.0622



87.5936, 87.1023, 63.7903

Sweetspot

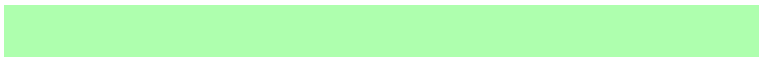
The Sweet Spot groups the original color and five complimentary colors.



70.9497, 87.1057, 107.6814



86.1830, 95.2806, 108.4564



60.8568, 83.5753, 52.9705



18.2007, 20.2627, 23.2018



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

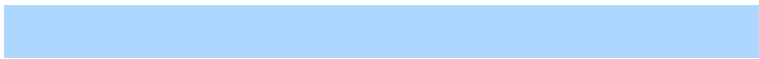
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9497, 87.1057, 107.6814



67.5515, 85.2618, 107.5046



59.6802, 64.5667, 103.9249



18.5346, 20.4409, 23.2186



27.6075, 40.1247, 55.7243



2.6940, 3.9186, 5.4277

Inverse Universe

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



74.2669, 58.6896, 101.1838



71.3428, 52.8914, 100.0547



73.0542, 72.6637, 50.2215



18.7825, 18.2963, 22.7378



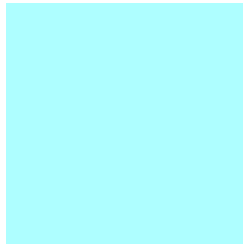
30.7232, 14.7786, 49.3203



2.9944, 1.4401, 4.8179

Previews

White Background



This preview shows how the XYZ color 70.9474, 87.1023, 107.6808 looks on a white background.

Color Contrast Check

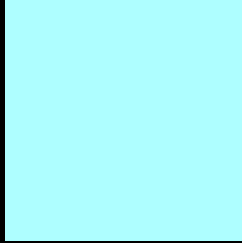
Large Text (above 18pt) WCAG AA × Fail

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 70.9474, 87.1023, 107.6808 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 70.9474, 87.1023, 107.6808

Background



This preview shows how black text looks on a background with the XYZ color 70.9474, 87.1023, 107.6808.

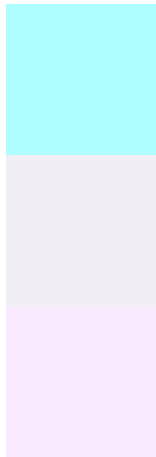


This preview shows how white text looks on a background with the XYZ color 70.9474, 87.1023,

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

70.9474, 87.1023, 107.6808

Protanopia

83.3316, 86.4424, 98.6792

Deuteranopia

86.8972, 86.3896, 106.7026



Tritanopia

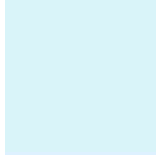
78.1430, 86.6709, 107.2183

Trichromacy



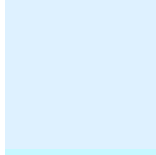
Original Color

70.9474, 87.1023, 107.6808



Protanomaly

78.0648, 86.2926, 102.1642



Deuteranomaly

79.6295, 85.6602, 106.9449



Tritanomaly

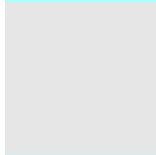
75.1706, 86.4969, 107.3414

Monochromacy



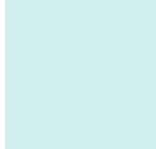
Original Color

70.9474, 87.1023, 107.6808



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

73.0248, 81.6666, 93.5758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9474, 87.1023, 107.6808 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(174, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 254, 255)  
}
```

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(174, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 254, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.9474, 87.1023, 107.6808 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(174, 254, 255) }
```


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

```
.border{ border-color:rgb(174, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 254,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9474, 87.1023, 107.6808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 254, 255) }
```

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

```
.background{ background-color: rgb(174,  
254, 255) }
```

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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