

Converting Colors

XYZ(75.7945, 100.0000,
100.1675)

Have a look what the booklet for
XYZ(75.7945, 100.0000, 100.1675)
contains.

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Color

**XYZ(69.1712, 86.8753,
97.9169)**

Conversions

Conversions Part 1

Format	Color
Hex	ADFFF3
RGB	173, 255, 243
RGB Percent	68%, 100%, 95%
CMY	0.3216, 0.0000, 0.0471
CMYK	0.32, 0.00, 0.05, 0.00
HSL	171°, 100%, 84%
HSV	171°, 32%, 100%
XYZ	69.1712, 86.8753, 97.9169
YIQ	229.1140, -45.0200, -21.1160

Conversions

Conversions Part 2

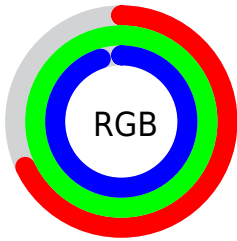
Format	Color
RYB	173, 217, 255
Decimal	11403251
CIELab	94.69, -27.35, -2.21
CIELCh	95, 27.437, 184.620
Yxy	86.8753, 0.2724, 0.3421
Android (android.graphics.Color)	4289593331 (0xFFADFFF3)
YUV	229.1140, 6.8458, -49.2120
Hunter-Lab	93.2069, -30.6428, 2.9588

Details

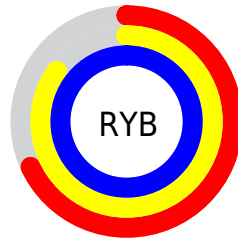
The XYZ color **69.1712, 86.8753, 97.9169** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.9412, 54.6511, 53.0256**, and the grayscale version is **74.5349, 78.4165, 85.3956**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **36.4998, 47.7579, 54.3082** is the 20% darker color. If you saturate the color by 10%, you get **63.5030, 84.0176, 94.7411**, and if you desaturate by 10%, it is **75.9288, 90.2932, 101.2063**.

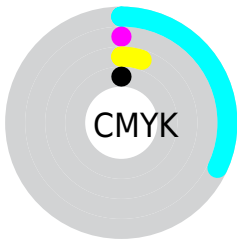
Distribution



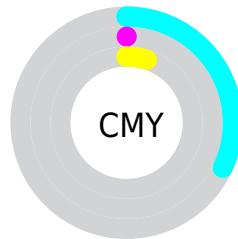
- Red (68%)
- Green (100%)
- Blue (95%)



- Red (68%)
- Yellow (85%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.1712, 86.8753, 97.9169 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 69.1712, 86.8753, 97.9169 by changing the saturation by 10% instead.


 69.1712, 86.8753,
97.9169

 69.1712, 86.8753,
97.9169


446.9465,
517.8130, 574.6827

 51.1283, 65.3920,
73.9548


 117.0588,
142.9903, 160.3184

 36.5322, 47.7790,
54.2605


147.6342,
178.3908, 199.5949

 25.0175, 33.6519,
38.4154


183.1178,
219.1992, 244.8133

 16.2189, 22.6263,
26.0009

223.8750,
265.7999, 296.3922

 9.7710, 14.3178,
16.5985

270.2711,
318.5772, 354.7500

 5.3085, 8.3421,
9.7898

322.6715,

 2.4660, 4.3146,

377.9156, 420.3053

5.1560

381.4415,
444.1994, 493.4767

■ 0.8781, 1.8511,
2.2788

■ 0.0000, 0.5187,
0.7193

■ 69.1712, 86.8753,
97.9169

■ 69.1712, 86.8753,
97.9169

■ 63.5030, 84.0176,
94.7411

■ 75.9288, 90.2932,
101.2063

■ 58.8599, 81.6872,
91.6713

■ 83.8296, 94.2991,
104.6080

■ 55.1752, 79.8495,
88.7054

■ 92.9272, 98.9206,
108.1261

■ 52.3730, 78.4654,
85.8396

■ 95.0500, 100.0000,
108.9000

■ 50.3659, 77.4899,
83.0693

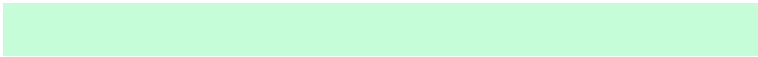
■ 49.0483, 76.8687,
80.3894

■ 48.3740, 76.5656,
78.3443

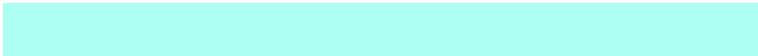
Harmonies

Analogous

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



70.3586, 86.8753, 78.1607



69.1712, 86.8753, 97.9169



71.3950, 86.8753, 119.7165

Triad

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



69.1712, 86.8753, 97.9169



90.9332, 86.8753, 132.2966



88.8302, 86.8753, 62.3119

Complementary

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



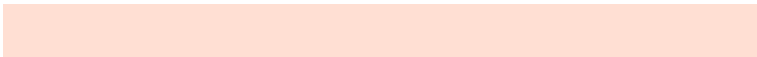
69.1712, 86.8753, 97.9169



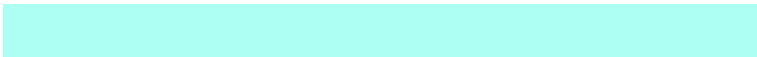
64.9412, 54.6511, 53.0256

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.



94.8594, 86.8753, 73.2550



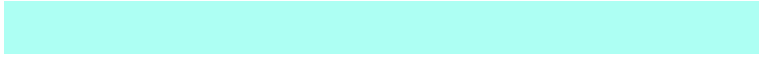
69.1712, 86.8753, 97.9169



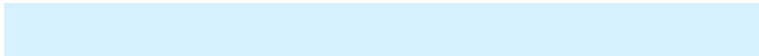
96.1236, 86.8753, 113.1794

Square

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



69.1712, 86.8753, 97.9169



83.7252, 86.8753, 141.3650



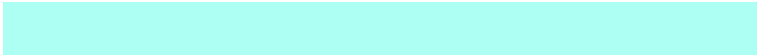
97.6014, 86.8753, 91.3441



81.4302, 86.8753, 59.4753

Rectangle

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



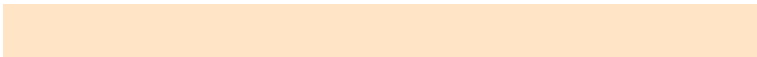
69.1712, 86.8753, 97.9169



74.5957, 86.8753, 131.9088



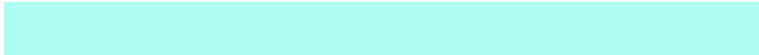
97.6014, 86.8753, 91.3441



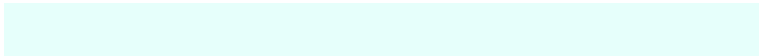
91.0983, 86.8753, 65.0747

Sweetspot

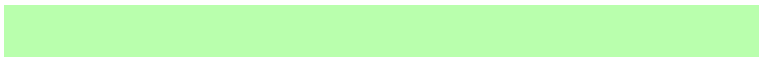
The Sweet Spot groups the original color and five complimentary colors.



69.1722, 86.8758, 97.9184



85.6879, 95.2424, 105.3564



63.3838, 84.8892, 52.5813



18.0801, 20.2535, 22.4460



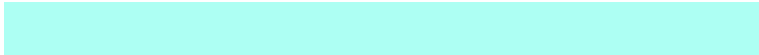
0.0000, 0.0000, 0.0000



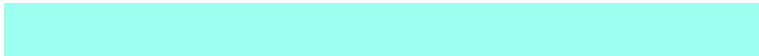
20.3446, 21.4041, 23.3091

Same Dimension

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



69.1722, 86.8758, 97.9184



65.1782, 84.8610, 95.7320



62.5625, 70.6612, 104.9493



18.4338, 20.4331, 22.5876



25.3200, 40.0246, 41.1661



2.4951, 3.9090, 4.1652

Inverse Universe

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



64.9412, 54.6511, 53.0256



60.3184, 47.7923, 44.1265



69.8338, 66.3786, 48.6684



18.1176, 18.0304, 19.2367



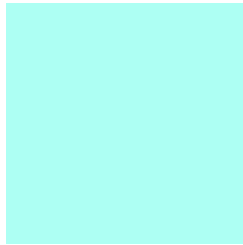
21.7582, 11.1926, 2.1112



2.1492, 1.1021, 0.3673

Previews

White Background



This preview shows how the XYZ color 69.1712, 86.8753, 97.9169 looks on a white background.

Color Contrast Check

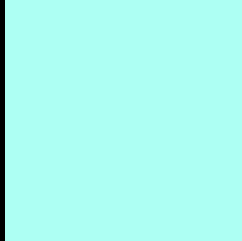
Large Text (above 18pt) WCAG AA × Fail

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 69.1712, 86.8753, 97.9169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

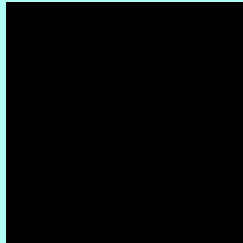
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

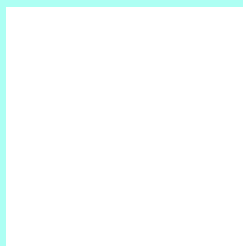
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.1712, 86.8753, 97.9169

Background



This preview shows how black text looks on a background with the XYZ color 69.1712, 86.8753, 97.9169.



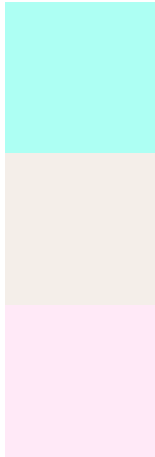
This preview shows how white text looks on a background with the XYZ color 69.1712, 86.8753,

97.9169.

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

69.1712, 86.8753, 97.9169

Protanopia

82.5907, 86.2654, 89.3887

Deuteranopia

87.1674, 86.2532, 100.0500



Tritanopia

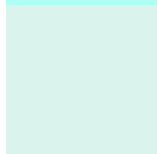
77.8538, 86.5219, 107.2048

Trichromacy



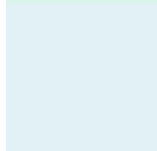
Original Color

69.1712, 86.8753, 97.9169



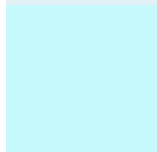
Protanomaly

76.5502, 85.7212, 92.6320



Deuteranomaly

79.1412, 85.5720, 99.5346



Tritanomaly

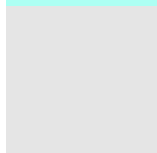
74.5770, 86.7222, 104.0752

Monochromacy



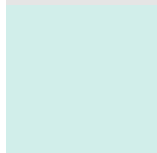
Original Color

69.1712, 86.8753, 97.9169



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.7203, 80.6449, 89.6279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1712, 86.8753, 97.9169 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(173, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(173, 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(173, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 69.1712, 86.8753, 97.9169 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(173, 255, 243) }
```


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

```
.border{ border-color:rgb(173, 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(173, 255, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1712, 86.8753, 97.9169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 243) }
```

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

```
.background{ background-color: rgb(173,  
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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