

Converting Colors

XYZ(76.0578, 100.0000,
103.4712)

Have a look what the booklet for
XYZ(76.0578, 100.0000, 103.4712)
contains.

XYZ(69.5618, 87.0061, 101.1232)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.5618, 87.0061,
101.1232)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFFF7
RGB	172, 255, 247
RGB Percent	67%, 100%, 97%
CMY	0.3255, 0.0000, 0.0314
CMYK	0.33, 0.00, 0.03, 0.00
HSL	174°, 100%, 84%
HSV	174°, 33%, 100%
XYZ	69.5618, 87.0061, 101.1232
YIQ	229.2710, -46.9000, -20.0840

Conversions

Conversions Part 2

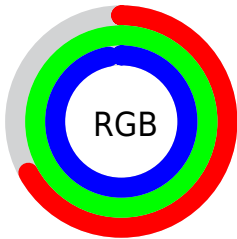
Format	Color
RYB	172, 216, 255
Decimal	11337719
CIELab	94.74, -26.74, -4.20
CIELCh	95, 27.070, 188.923
Yxy	87.0061, 0.2699, 0.3376
Android (android.graphics.Color)	4289527799 (0xFFACFFF7)
YUV	229.2710, 8.7404, -50.2267
Hunter-Lab	93.2771, -30.1177, 1.0167

Details

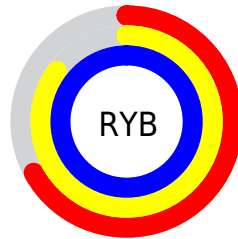
The XYZ color **69.5618, 87.0061, 101.1232** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.2316, 54.0618, 50.2306**, and the grayscale version is **74.6381, 78.5251, 85.5138**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **36.8005, 47.8628, 56.5891** is the 20% darker color. If you saturate the color by 10%, you get **64.1157, 84.2420, 98.9030**, and if you desaturate by 10%, it is **76.0887, 90.3267, 103.4230**.

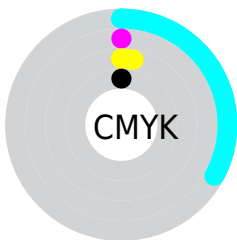
Distribution



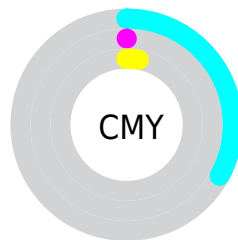
- Red (67%)
- Green (100%)
- Blue (97%)



- Red (67%)
- Yellow (85%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5618, 87.0061, 101.1232 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 69.5618, 87.0061, 101.1232 by changing the saturation by 10% instead.


 69.5618, 87.0061,
101.1232

 69.5618, 87.0061,
101.1232


448.3004,
518.2429, 585.0652

 51.4477, 65.5003,
76.6168

 117.6133,
143.1726, 164.7652

 36.7875, 47.8668,
56.4287


148.2814,
178.6021, 204.7378

 25.2159, 33.7214,
40.1405


183.8649,
219.4416, 250.7030

 16.3676, 22.6797,
27.3335

224.7291,
266.0755, 303.0792

 9.8771, 14.3572,
17.5892

271.2394,
318.8882, 362.2850

 5.3792, 8.3695,
10.4891

323.7611,

 2.5085, 4.3323,

378.2640, 428.7389

5.6146

382.6597,
444.5875, 502.8594

0.8995, 1.8611,
2.5472

0.0000, 0.5248,
0.8650

69.5618, 87.0061,
101.1232

69.5618, 87.0061,
101.1232

64.1157, 84.2420,
98.9030

76.0887, 90.3267,
103.4230

59.6857, 82.0012,
96.7549

83.7500, 94.2315,
105.8005

56.2050, 80.2492,
94.6772

92.5995, 98.7484,
108.2600

53.5973, 78.9467,
92.6660

95.0500, 100.0000,
108.9000

■ 51.7747, 78.0484,
90.7174

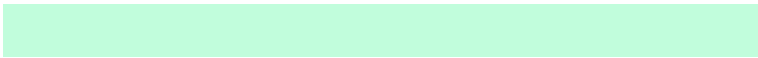
■ 50.6307, 77.4993,
88.8261

■ 50.1028, 77.2571,
87.4483

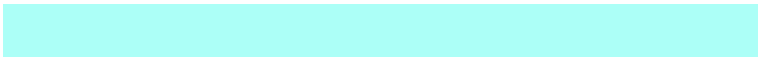
Harmonies

Analogous

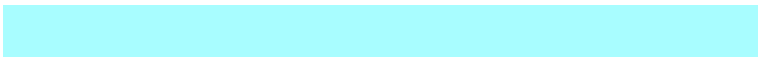
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.2511, 87.0061, 80.9708



69.5618, 87.0061, 101.1232



72.2267, 87.0061, 122.3722

Triad

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



69.5618, 87.0061, 101.1232



91.8548, 87.0061, 129.6675



87.8602, 87.0061, 61.8916

Complementary

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



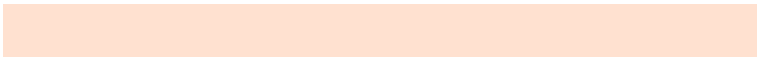
69.5618, 87.0061, 101.1232



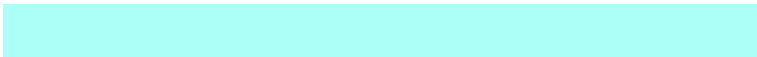
64.2316, 54.0618, 50.2306

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.



94.1325, 87.0061, 71.6074



69.5618, 87.0061, 101.1232



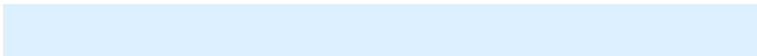
96.5317, 87.0061, 109.9765

Square

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



69.5618, 87.0061, 101.1232



84.8982, 87.0061, 140.3761



97.3889, 87.0061, 88.6214



80.5335, 87.0061, 60.2440

Rectangle

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



69.5618, 87.0061, 101.1232



75.6448, 87.0061, 133.6053



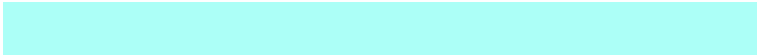
97.3889, 87.0061, 88.6214



90.1738, 87.0061, 64.2454

Sweetspot

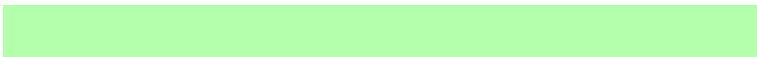
The Sweet Spot groups the original color and five complimentary colors.



69.5628, 87.0066, 101.1247



85.8897, 95.3231, 106.4193



62.0998, 84.2384, 52.0182



18.1292, 20.2731, 22.7049



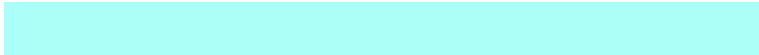
0.0000, 0.0000, 0.0000



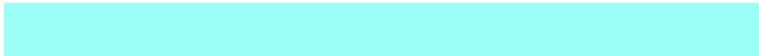
20.3446, 21.4041, 23.3091

Same Dimension

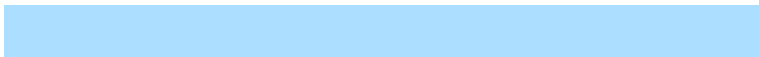
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5628, 87.0066, 101.1247



65.9284, 85.1611, 99.6826



61.1326, 68.1282, 104.5358



18.4749, 20.4495, 22.8040



26.2107, 40.3809, 45.8565



2.5731, 3.9402, 4.5756

Inverse Universe

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



64.2316, 54.0618, 50.2306



59.8568, 47.6077, 41.6956



70.5664, 67.9981, 48.4372



18.0805, 18.0155, 19.0409



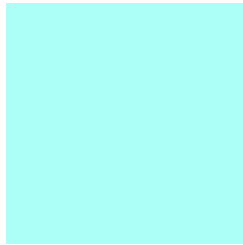
21.6615, 11.1539, 1.6021



2.1318, 1.0951, 0.2754

Previews

White Background



This preview shows how the XYZ color 69.5618, 87.0061, 101.1232 looks on a white background.

Color Contrast Check

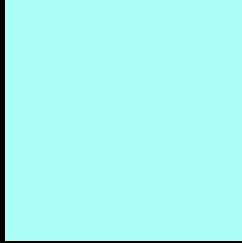
Large Text (above 18pt) WCAG AA × Fail

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 69.5618, 87.0061, 101.1232 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 69.5618, 87.0061, 101.1232

Background



This preview shows how black text looks on a background with the XYZ color 69.5618, 87.0061, 101.1232.

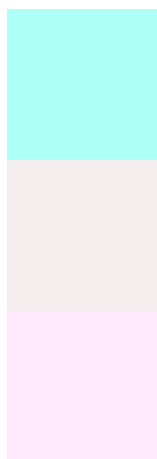


This preview shows how white text looks on a background with the XYZ color 69.5618, 87.0061,

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

69.5618, 87.0061, 101.1232

Protanopia

82.8227, 86.3182, 92.4166

Deuteranopia

87.5092, 85.9383, 103.2423



Tritanopia

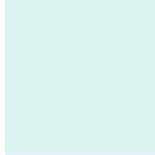
78.1430, 86.6709, 107.2183

Trichromacy



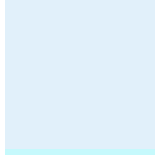
Original Color

69.5618, 87.0061, 101.1232



Protanomaly

76.8431, 85.8040, 95.7308



Deuteranomaly

79.4667, 85.2299, 102.7051



Tritanomaly

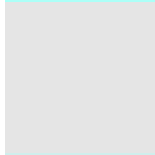
74.7351, 86.7854, 104.9078

Monochromacy



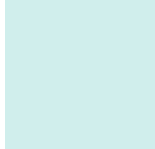
Original Color

69.5618, 87.0061, 101.1232



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.7273, 80.6151, 91.1367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5618, 87.0061, 101.1232 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(172, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 247)  
}
```

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(172, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 247) }
```

Border

The CSS property to change the border of an element to XYZ 69.5618, 87.0061, 101.1232 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(172, 255, 247) }
```


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

```
.border{ border-color:rgb(172, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5618, 87.0061, 101.1232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 247) }
```

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

```
.background{ background-color: rgb(172,  
255, 247) }
```

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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