

Converting Colors

XYZ(69.7307, 87.1753, 97.4192)

Have a look what the booklet for
XYZ(69.7307, 87.1753, 97.4192)
contains.

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Color

**XYZ(69.6915, 87.1609,
97.1550)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FFF2
RGB	176, 255, 242
RGB Percent	69%, 100%, 95%
CMY	0.3098, 0.0000, 0.0510
CMYK	0.31, 0.00, 0.05, 0.00
HSL	170°, 100%, 85%
HSV	170°, 31%, 100%
XYZ	69.6915, 87.1609, 97.1550
YIQ	229.8970, -42.9110, -20.7910

Conversions

Conversions Part 2

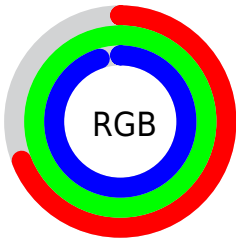
Format	Color
RYB	176, 219, 255
Decimal	11599858
CIELab	94.81, -26.75, -1.50
CIELCh	95, 26.787, 183.208
Yxy	87.1609, 0.2744, 0.3431
Android (android.graphics.Color)	4289789938 (0xFFB0FFF2)
YUV	229.8970, 5.9668, -47.2677
Hunter-Lab	93.3600, -30.1331, 3.6519

Details

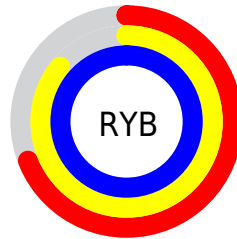
The XYZ color **69.6915, 87.1609, 97.1550** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **65.9514, 55.9861, 55.4752**, and the grayscale version is **75.1176, 79.0295, 86.0632**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **36.8027, 47.9264, 53.7654** is the 20% darker color. If you saturate the color by 10%, you get **63.8346, 84.2135, 93.6300**, and if you desaturate by 10%, it is **76.6478, 90.6733, 100.8098**.

Distribution



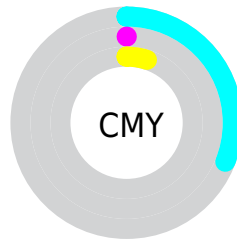
- Red (69%)
- Green (100%)
- Blue (95%)



- Red (69%)
- Yellow (86%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6915, 87.1609, 97.1550 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 69.6915, 87.1609, 97.1550 by changing the saturation by 10% instead.

69.6915, 87.1609,
97.1550

69.6915, 87.1609,
97.1550

448.7494,
518.7514, 572.2008

51.5538, 65.6284,
73.3231

117.7974,
143.3884, 159.2596

36.8723, 47.9708,
53.7468

148.4962,
178.8521, 198.3694

25.2819, 33.8037,
38.0075

184.1128,
219.7284, 243.4088

16.4170, 22.7429,
25.6866

225.0125,
266.4016, 294.7966

9.9125, 14.4038,
16.3657

271.5607,
319.2561, 352.9511

5.4028, 8.4020,
9.6261

324.1226,

2.5226, 4.3533,

378.6763, 418.2910

5.0494

383.0637,
445.0466, 491.2347

■ 0.9067, 1.8731,
2.2170

■ 0.0000, 0.5321,
0.6842

■ 69.6915, 87.1609,
97.1550

■ 69.6915, 87.1609,
97.1550

■ 63.8346, 84.2135,
93.6300

■ 76.6478, 90.6733,
100.8098

■ 59.0132, 81.7983,
90.2270

■ 84.7566, 94.7782,
104.5931

■ 55.1615, 79.8814,
86.9439

■ 94.0712, 99.5031,
108.5093

■ 52.2047, 78.4242,
83.7766

■ 95.0500, 100.0000,
108.9000

■ 50.0570, 77.3824,
80.7206

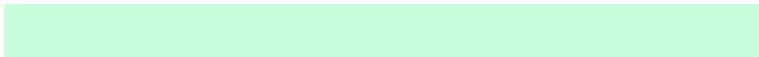
■ 48.6153, 76.7030,
77.7707

■ 47.7756, 76.3262,
75.1933

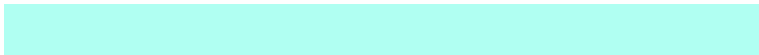
Harmonies

Analogous

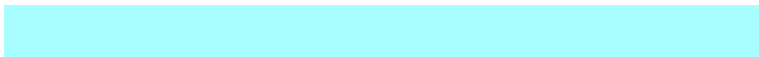
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.0138, 87.1609, 78.0227



69.6915, 87.1609, 97.1550



71.7200, 87.1609, 118.4888

Triad

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



69.6915, 87.1609, 97.1550



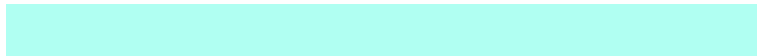
90.7148, 87.1609, 132.3756



89.2870, 87.1609, 63.5428

Complementary

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



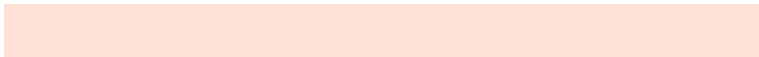
69.6915, 87.1609, 97.1550



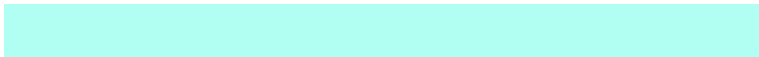
65.9514, 55.9861, 55.4752

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.



95.0622, 87.1609, 74.6759



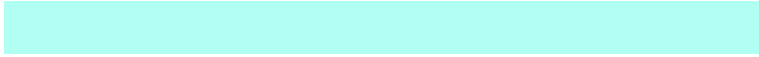
69.6915, 87.1609, 97.1550



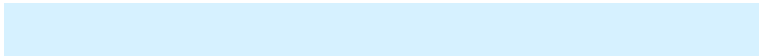
95.9197, 87.1609, 114.0586

Square

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



69.6915, 87.1609, 97.1550



83.6263, 87.1609, 140.6011



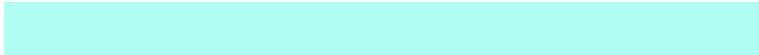
97.5548, 87.1609, 92.6869



82.0662, 87.1609, 60.3653

Rectangle

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



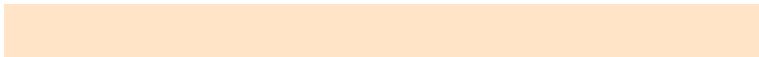
69.6915, 87.1609, 97.1550



74.7729, 87.1609, 130.5960



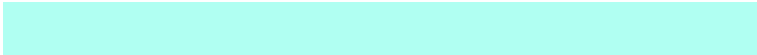
97.5548, 87.1609, 92.6869



91.4756, 87.1609, 66.3900

Sweetspot

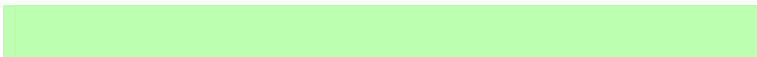
The Sweet Spot groups the original color and five complimentary colors.



69.6925, 87.1614, 97.1565



86.5028, 95.6633, 105.3575



64.6251, 85.4952, 54.1720



18.2394, 20.3361, 22.4305



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

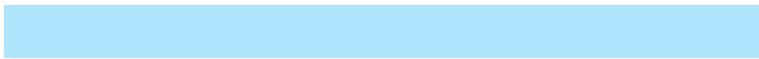
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.6925, 87.1614, 97.1565



66.0379, 85.3209, 95.0183



63.8826, 72.3054, 105.1971



18.4189, 20.4271, 22.5090



25.0114, 39.9012, 39.5411



2.4679, 3.8981, 4.0220

Inverse Universe

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



65.9514, 55.9861, 55.4752



61.7775, 49.7691, 47.5152



70.2761, 66.7933, 50.2643



18.1313, 18.0358, 19.3084



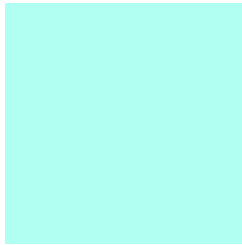
21.8023, 11.2102, 2.3436



2.1556, 1.1046, 0.4009

Previews

White Background



This preview shows how the XYZ color 69.6915, 87.1609, 97.1550 looks on a white background.

Color Contrast Check

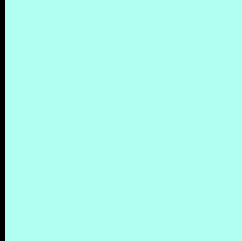
Large Text (above 18pt) WCAG AA × Fail

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 69.6915, 87.1609, 97.1550 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

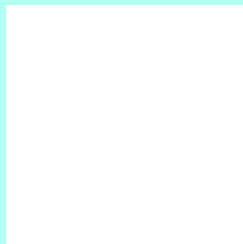
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6915, 87.1609, 97.1550

Background



This preview shows how black text looks on a background with the XYZ color 69.6915, 87.1609, 97.1550.



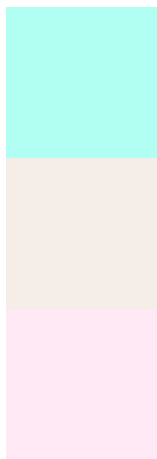
This preview shows how white text looks on a background with the XYZ color 69.6915, 87.1609,

97.1550.

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

69.6915, 87.1609, 97.1550

Protanopia

82.7962, 86.3877, 88.6546

Deuteranopia

86.8603, 86.1304, 98.4330



Tritanopia

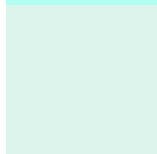
78.4340, 86.8210, 107.2320

Trichromacy



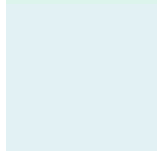
Original Color

69.6915, 87.1609, 97.1550



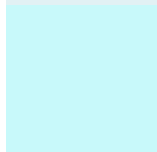
Protanomaly

77.0062, 85.9731, 91.8927



Deuteranomaly

79.1485, 85.6110, 97.9410



Tritanomaly

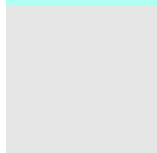
74.9504, 86.9329, 103.2719

Monochromacy



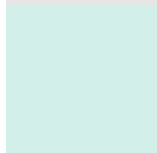
Original Color

69.6915, 87.1609, 97.1550



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.2961, 81.3752, 89.7385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6915, 87.1609, 97.1550 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(176, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 242)  
}
```

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(176, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 242) }
```

Border

The CSS property to change the border of an element to XYZ 69.6915, 87.1609, 97.1550 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(176, 255, 242) }
```


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

```
.border{ border-color:rgb(176, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 255, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 255, 242); box-shadow:4px 4px 4px 4px rgb(176, 255, 242) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6915, 87.1609, 97.1550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 242) }
```

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

```
.background{ background-color: rgb(176,  
255, 242) }
```

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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