

Converting Colors

XYZ(75.8834, 100.0000,
96.5419)

Have a look what the booklet for
XYZ(75.8834, 100.0000, 96.5419)
contains.

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Color

**XYZ(69.3241, 87.0402,
94.0356)**

Conversions

Conversions Part 1

Format	Color
Hex	B1FFEE
RGB	177, 255, 238
RGB Percent	69%, 100%, 93%
CMY	0.3059, 0.0000, 0.0667
CMYK	0.31, 0.00, 0.07, 0.00
HSL	167°, 100%, 85%
HSV	167°, 31%, 100%
XYZ	69.3241, 87.0402, 94.0356
YIQ	229.7400, -41.0310, -21.8230

Conversions

Conversions Part 2

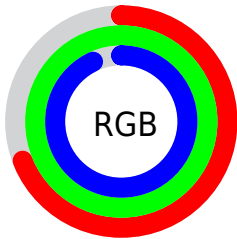
Format	Color
RYB	177, 221, 255
Decimal	11665390
CIELab	94.76, -27.32, 0.50
CIElCh	95, 27.323, 178.960
Yxy	87.0402, 0.2769, 0.3476
Android (android.graphics.Color)	4289855470 (0xFFB1FFEE)
YUV	229.7400, 4.0722, -46.2530
Hunter-Lab	93.2953, -30.6305, 5.5463

Details

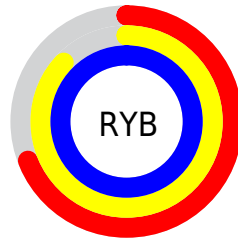
The XYZ color **69.3241, 87.0402, 94.0356** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66.7004, 56.6005, 58.4491**, and the grayscale version is **75.0141, 78.9207, 85.9446**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **36.6636, 47.9031, 51.5698** is the 20% darker color. If you saturate the color by 10%, you get **63.2448, 83.9990, 89.5555**, and if you desaturate by 10%, it is **76.5157, 90.6517, 98.7021**.

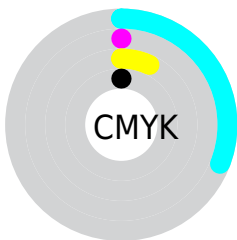
Distribution



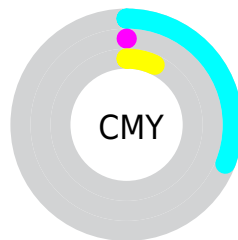
- Red (69%)
- Green (100%)
- Blue (93%)



- Red (69%)
- Yellow (87%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.3241, 87.0402, 94.0356 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 69.3241, 87.0402, 94.0356 by changing the saturation by 10% instead.

 69.3241, 87.0402,
94.0356

 69.3241, 87.0402,
94.0356


447.4767,
518.3550, 561.9782

 51.2533, 65.5285,
70.7401


 117.2759,
143.2202, 154.9157

 36.6321, 47.8897,
51.6496


147.8876,
178.6572, 193.3373

 25.0951, 33.7396,
36.3455


183.4104,
219.5048, 237.6381

 16.2771, 22.6936,
24.4094

224.2095,
266.1473, 288.2366

 9.8125, 14.3674,
15.4226

270.6503,
318.9692, 345.5513

 5.3361, 8.3767,
8.9666

323.0982,

 2.4826, 4.3369,

378.3549, 410.0008

4.6229

381.9186,
444.6886, 482.0036

■ 0.8865, 1.8637,
1.9729

■ 0.0000, 0.5264,
0.5385

■ 69.3241, 87.0402,
94.0356

■ 69.3241, 87.0402,
94.0356

■ 63.2448, 83.9990,
89.5555

■ 76.5157, 90.6517,
98.7021

■ 58.2142, 81.4957,
85.2535

■ 84.8729, 94.8613,
103.5546

■ 54.1665, 79.4962,
81.1268

■ 94.4489, 99.6962,
108.5979

■ 51.0272, 77.9621,
77.1706

■ 95.0500, 100.0000,
108.9000

■ 48.7107, 76.8494,
73.3797

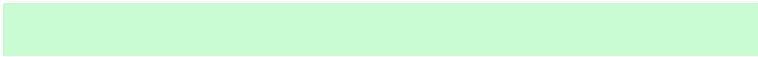
■ 47.1150, 76.1055,
69.7481

■ 46.1185, 75.6634,
66.4670

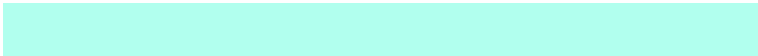
Harmonies

Analogous

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



71.1456, 87.0402, 75.3051



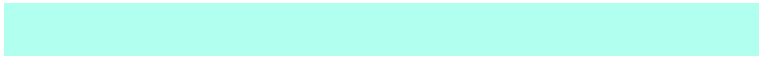
69.3241, 87.0402, 94.0356



70.9127, 87.0402, 115.8658

Triad

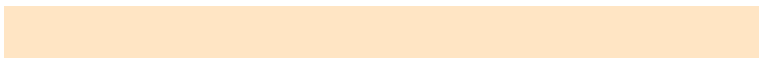
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.3241, 87.0402, 94.0356



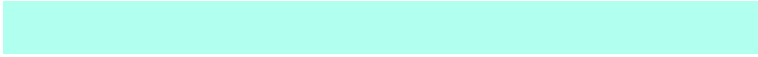
89.7993, 87.0402, 135.0079



90.2717, 87.0402, 64.0149

Complementary

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



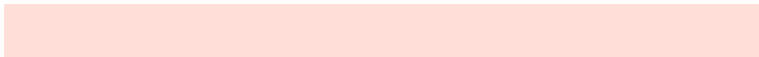
69.3241, 87.0402, 94.0356



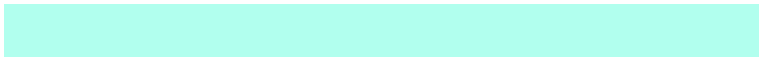
66.7004, 56.6005, 58.4491

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.



95.7902, 87.0402, 76.4075



69.3241, 87.0402, 94.0356



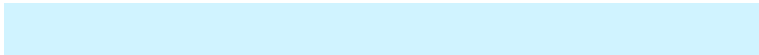
95.5062, 87.0402, 117.3341

Square

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



69.3241, 87.0402, 94.0356



82.4716, 87.0402, 141.5423



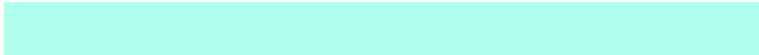
97.7595, 87.0402, 95.5122



82.9872, 87.0402, 59.6393

Rectangle

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



69.3241, 87.0402, 94.0356



73.7487, 87.0402, 128.8860



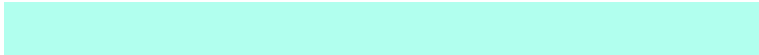
97.7595, 87.0402, 95.5122



92.4104, 87.0402, 67.2807

Sweetspot

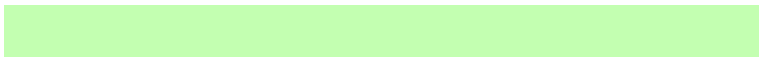
The Sweet Spot groups the original color and five complimentary colors.



69.3250, 87.0406, 94.0371



86.3100, 95.5862, 104.3422



66.2541, 86.3235, 54.7666



18.1916, 20.3170, 22.1789



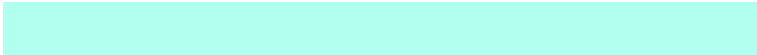
0.0000, 0.0000, 0.0000



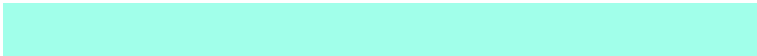
20.3446, 21.4041, 23.3091

Same Dimension

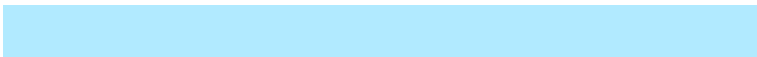
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.3250, 87.0406, 94.0371



65.3018, 85.0265, 91.1422



65.6621, 75.5275, 105.7252



18.3754, 20.4097, 22.2798



24.1558, 39.5589, 35.0356



2.3920, 3.8677, 3.6219

Inverse Universe

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



66.7004, 56.6005, 58.4491



62.2861, 49.9725, 50.1930



69.3250, 64.7322, 50.4372



18.1714, 18.0519, 19.5197



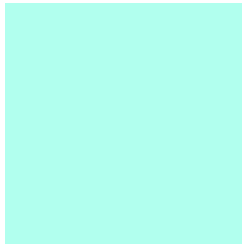
21.9610, 11.2737, 3.1791



2.1767, 1.1130, 0.5118

Previews

White Background



This preview shows how the XYZ color 69.3241, 87.0402, 94.0356 looks on a white background.

Color Contrast Check

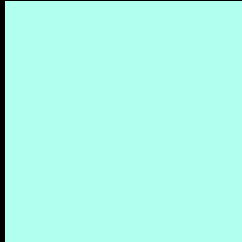
Large Text (above 18pt) WCAG AA × Fail

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 69.3241, 87.0402, 94.0356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

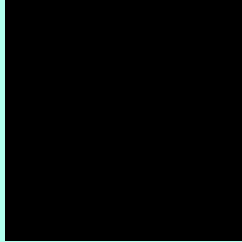
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

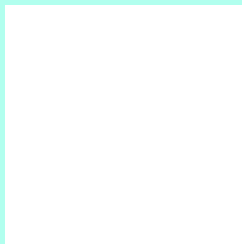
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.3241, 87.0402, 94.0356

Background



This preview shows how black text looks on a background with the XYZ color 69.3241, 87.0402, 94.0356.



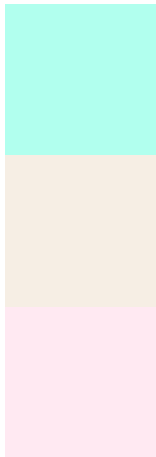
This preview shows how white text looks on a background with the XYZ color 69.3241, 87.0402,

94.0356.

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

69.3241, 87.0402, 94.0356

Protanopia

82.5842, 86.3433, 85.7121

Deuteranopia

86.4059, 85.9486, 96.0401



Tritanopia

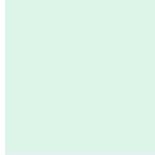
78.4340, 86.8210, 107.2320

Trichromacy



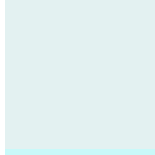
Original Color

69.3241, 87.0402, 94.0356



Protanomaly

76.7350, 85.8997, 88.8799



Deuteranomaly

79.0110, 85.5924, 95.5757



Tritanomaly

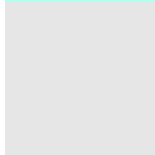
75.0620, 87.0084, 102.4607

Monochromacy



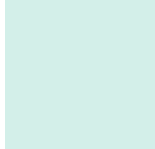
Original Color

69.3241, 87.0402, 94.0356



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.4385, 81.4651, 88.9972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3241, 87.0402, 94.0356 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(177, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 238)  
}
```

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(177, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 69.3241, 87.0402, 94.0356 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(177, 255, 238) }
```


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

```
.border{ border-color:rgb(177, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3241, 87.0402, 94.0356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 238) }
```

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

```
.background{ background-color: rgb(177,  
255, 238) }
```

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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