

Converting Colors

XYZ(74.6082, 96.7094, 91.4913)

Have a look what the booklet for
XYZ(74.6082, 96.7094, 91.4913)
contains.

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Color

**XYZ(69.9964, 87.4705,
90.2851)**

Conversions

Conversions Part 1

Format	Color
Hex	B7FFE9
RGB	183, 255, 233
RGB Percent	72%, 100%, 91%
CMY	0.2823, 0.0000, 0.0863
CMYK	0.28, 0.00, 0.09, 0.00
HSL	162°, 100%, 86%
HSV	162°, 28%, 100%
XYZ	69.9964, 87.4705, 90.2851
YIQ	230.9640, -35.8500, -22.1060

Conversions

Conversions Part 2

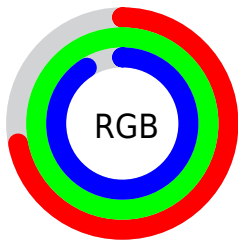
Format	Color
RYB	183, 225, 255
Decimal	12058601
CIELab	94.94, -26.65, 3.38
CIELCh	95, 26.866, 172.780
Yxy	87.4705, 0.2825, 0.3531
Android (android.graphics.Color)	4290248681 (0xFFB7FFE9)
YUV	230.9640, 1.0037, -42.0644
Hunter-Lab	93.5257, -30.0771, 8.2323

Details

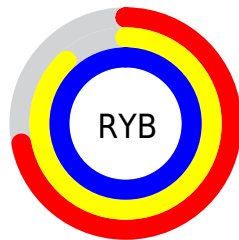
The XYZ color **69.9964, 87.4705, 90.2851** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **69.1935, 59.5358, 65.6026**, and the grayscale version is **75.9405, 79.8953, 87.0060**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **37.0320, 48.1517, 48.9374** is the 20% darker color. If you saturate the color by 10%, you get **63.3822, 84.1865, 84.2940**, and if you desaturate by 10%, it is **77.7602, 91.3414, 96.5894**.

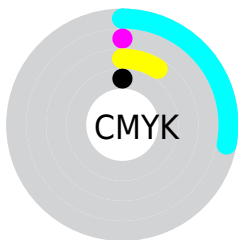
Distribution



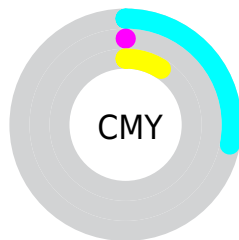
- Red (72%)
- Green (100%)
- Blue (91%)



- Red (72%)
- Yellow (88%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.9964, 87.4705, 90.2851 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 69.9964, 87.4705, 90.2851 by changing the saturation by 10% instead.


 69.9964, 87.4705,
90.2851

 69.9964, 87.4705,
90.2851


449.8040,
519.7677, 549.5518

 51.8032, 65.8846,
67.6421

 118.2299,
143.8198, 149.6733

 37.0719, 48.1788,
49.1417


149.0009,
179.3519, 187.2556

 25.4371, 33.9685,
34.3655


184.6953,
220.3017, 230.6547

 16.5334, 22.8694,
22.8949

225.6782,
267.0534, 280.2892

 9.9956, 14.4971,
14.3114

272.3153,
319.9914, 336.5777

 5.4583, 8.4672,
8.1963

324.9716,

 2.5561, 4.3953,

379.5002, 399.9385

4.1313

384.0128,
445.9642, 470.7904

■ 0.9236, 1.8971,
1.6976

■ 0.0000, 0.5466,
0.3591

■ 69.9964, 87.4705,
90.2851

■ 69.9964, 87.4705,
90.2851

■ 63.3822, 84.1865,
84.2940

■ 77.7602, 91.3414,
96.5894

■ 57.8551, 81.4573,
78.6056

■ 86.7266, 95.8265,
103.2084

■ 53.3503, 79.2497,
73.2150

95.0500, 100.0000,
108.9000

■ 49.7949, 77.5260,
68.1155

■ 47.1059, 76.2436,
63.2996

■ 45.1855, 75.3521,
58.7592

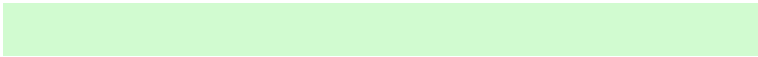
■ 43.8988, 74.7820,
54.4844

■ 43.7045, 74.6978,
53.7554

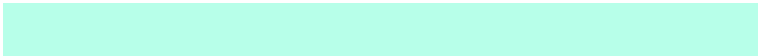
Harmonies

Analogous

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



72.4709, 87.4705, 72.9690



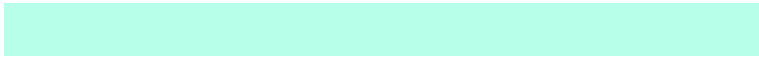
69.9964, 87.4705, 90.2851



70.8756, 87.4705, 111.6402

Triad

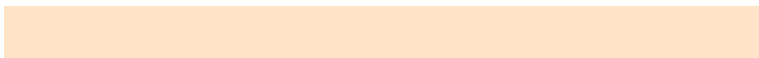
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9964, 87.4705, 90.2851



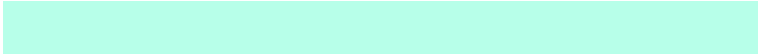
88.6828, 87.4705, 137.2420



91.9057, 87.4705, 66.7232

Complementary

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



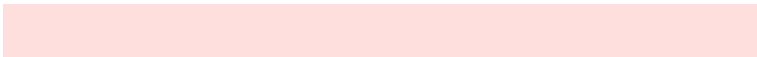
69.9964, 87.4705, 90.2851



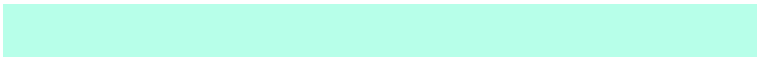
69.1935, 59.5358, 65.6026

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.



96.7392, 87.4705, 80.5311



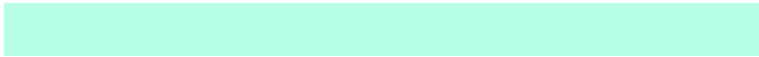
69.9964, 87.4705, 90.2851



94.8039, 87.4705, 121.6370

Square

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



69.9964, 87.4705, 90.2851



81.3893, 87.4705, 140.8612



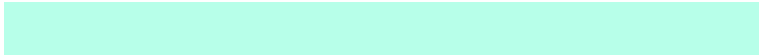
97.8296, 87.4705, 100.3740



84.9117, 87.4705, 60.7161

Rectangle

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



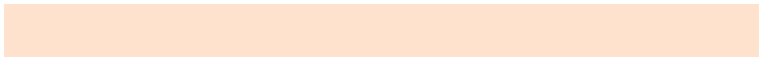
69.9964, 87.4705, 90.2851



73.2711, 87.4705, 125.1813



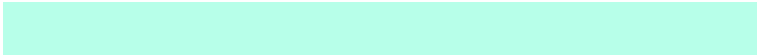
97.8296, 87.4705, 100.3740



93.8534, 87.4705, 70.5004

Sweetspot

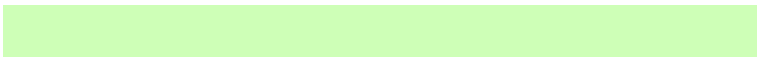
The Sweet Spot groups the original color and five complimentary colors.



69.9973, 87.4709, 90.2865



86.9516, 95.9392, 103.3674



69.7061, 88.0324, 58.1191



18.3046, 20.3814, 21.9071



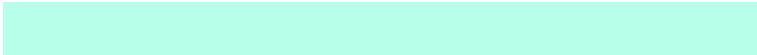
0.0000, 0.0000, 0.0000



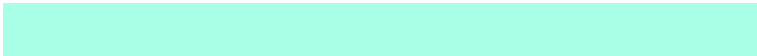
20.3446, 21.4041, 23.3091

Same Dimension

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



69.9973, 87.4709, 90.2865



66.0469, 85.5076, 86.7939



69.2718, 80.6731, 106.5282



18.3046, 20.3814, 21.9071



22.9063, 39.0591, 28.4555



2.2791, 3.8226, 3.0275

Inverse Universe

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



69.1935, 59.5358, 65.6026



65.1247, 53.3068, 58.3623



69.5730, 64.2500, 53.5357



18.2378, 18.0785, 19.8696



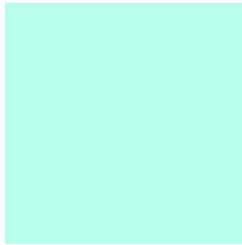
22.3236, 11.4187, 5.0886



2.2198, 1.1303, 0.7389

Previews

White Background



This preview shows how the XYZ color 69.9964, 87.4705, 90.2851 looks on a white background.

Color Contrast Check

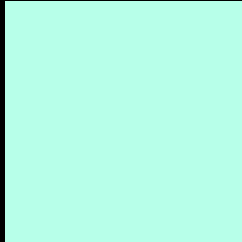
Large Text (above 18pt) WCAG AA × Fail

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 69.9964, 87.4705, 90.2851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

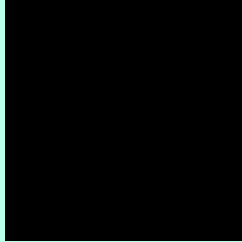
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

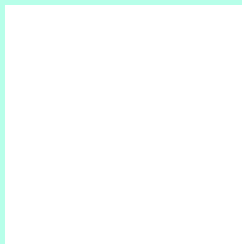
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.9964, 87.4705, 90.2851

Background



This preview shows how black text looks on a background with the XYZ color 69.9964, 87.4705, 90.2851.

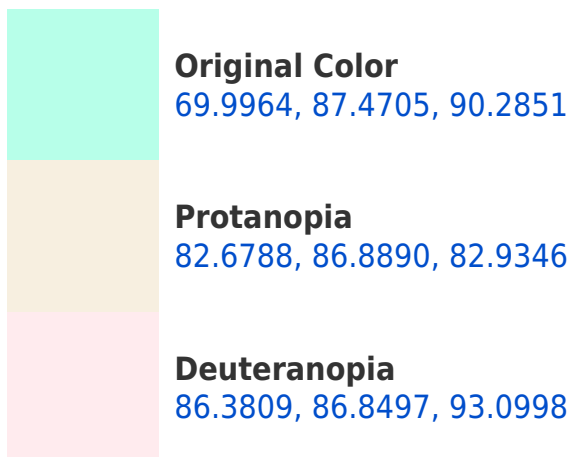


This preview shows how white text looks on a background with the XYZ color 69.9964, 87.4705,

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





Tritanopia

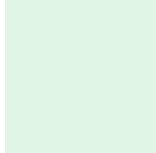
79.3177, 87.2765, 107.2733

Trichromacy



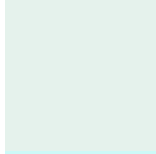
Original Color

69.9964, 87.4705, 90.2851



Protanomaly

77.2580, 86.6982, 85.3355



Deuteranomaly

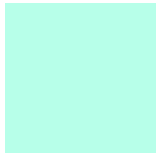
79.2056, 86.2184, 91.8241



Tritanomaly

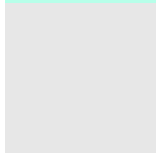
75.8410, 87.4459, 100.8772

Monochromacy



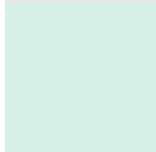
Original Color

69.9964, 87.4705, 90.2851



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.4571, 82.4425, 88.3853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9964, 87.4705, 90.2851 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(183, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 233)  
}
```

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(183, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 69.9964, 87.4705, 90.2851 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(183, 255, 233) }
```


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

```
.border{ border-color:rgb(183, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9964, 87.4705, 90.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 233) }
```

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

```
.background{ background-color: rgb(183,  
255, 233) }
```

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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