

# Converting Colors

XYZ(69.0129, 86.9555, 90.5975)

Have a look what the booklet for  
XYZ(69.0129, 86.9555, 90.5975)  
contains.

<b>XYZ(69.0584, 86.9869, 90.2412)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(69.0584, 86.9869,  
90.2412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3FFE9
RGB	179, 255, 233
RGB Percent	70%, 100%, 91%
CMY	0.2980, 0.0000, 0.0863
CMYK	0.30, 0.00, 0.09, 0.00
HSL	163°, 100%, 85%
HSV	163°, 30%, 100%
XYZ	69.0584, 86.9869, 90.2412
YIQ	229.7680, -38.2340, -22.9540

# Conversions

## Conversions Part 2

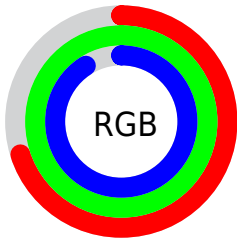
Format	Color
<a href="#">RYB</a>	<a href="#">179, 223, 255</a>
Decimal	<a href="#">11796457</a>
CIELab	<a href="#">94.73, -27.80, 3.05</a>
CIELCh	<a href="#">95, 27.964, 173.730</a>
Yxy	<a href="#">86.9869, 0.2804, 0.3532</a>
Android (android.graphics.Color)	<a href="#">4289986537</a> ( <a href="#">0xFFB3FFE9</a> )
YUV	<a href="#">229.7680, 1.5934, -44.5235</a>
Hunter-Lab	<a href="#">93.2668, -31.0484, 7.9201</a>

# Details

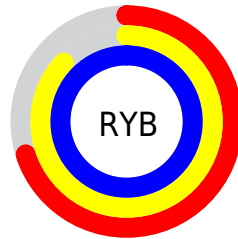
The XYZ color **69.0584, 86.9869, 90.2412** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67.9034, 57.7184, 62.8207**, and the grayscale version is **75.0510, 78.9595, 85.9869**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **36.4421, 47.8476, 48.9098** is the 20% darker color. If you saturate the color by 10%, you get **62.6674, 83.8115, 84.5533**, and if you desaturate by 10%, it is **76.5850, 90.7426, 96.2154**.

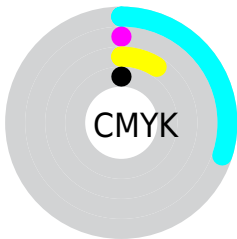
# Distribution



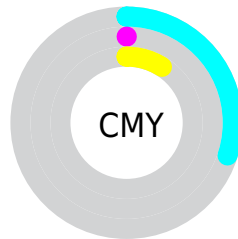
- Red (70%)
- Green (100%)
- Blue (91%)



- Red (70%)
- Yellow (87%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0584, 86.9869, 90.2412 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 69.0584, 86.9869, 90.2412 by changing the saturation by 10% instead.




 69.0584, 86.9869,  
90.2412

 69.0584, 86.9869,  
90.2412


446.5551,  
518.1798, 549.4055

 51.0361, 65.4844,  
67.6059


 116.8986,  
143.1459, 149.6118

 36.4585, 47.8539,  
49.1125


147.4472,  
178.5711, 187.1842

 24.9602, 33.7112,  
34.3425


182.9019,  
219.4060, 230.5727

 16.1760, 22.6719,  
22.8773

223.6281,  
266.0350, 280.1958

 9.7404, 14.3514,  
14.2985

269.9912,  
318.8425, 336.4721

 5.2881, 8.3655,  
8.1875

322.3565,

 2.4538, 4.3297,

378.2129, 399.8201

4.1256

381.0893,  
444.5305, 470.6584

■ 0.8720, 1.8596,  
1.6945

■ 0.0000, 0.5239,  
0.3570

■ 69.0584, 86.9869,  
90.2412

■ 69.0584, 86.9869,  
90.2412

■ 62.6674, 83.8115,  
84.5533

■ 76.5850, 90.7426,  
96.2154

■ 57.3488, 81.1839,  
79.1416

■ 85.3007, 95.1061,  
102.4768

■ 53.0368, 79.0703,  
74.0017

95.0500, 100.0000,  
108.9000

■ 49.6572, 77.4325,  
69.1272

■ 47.1254, 76.2268,  
64.5113

■ 45.3404, 75.4014,  
60.1461

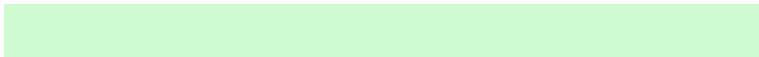
■ 44.1411, 74.8731,  
56.0212

■ 44.1198, 74.8639,  
55.9421

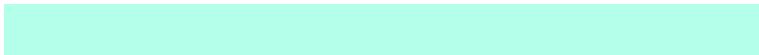
# Harmonies

## Analogous

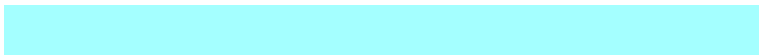
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.5070, 86.9869, 72.1649



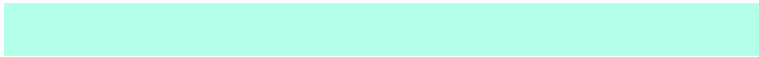
69.0584, 86.9869, 90.2412



70.0760, 86.9869, 112.4691

# Triad

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



69.0584, 86.9869, 90.2412



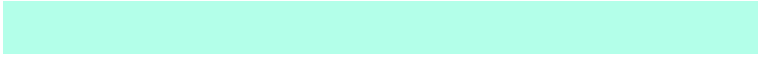
88.6655, 86.9869, 138.1502



91.5767, 86.9869, 64.9661

# Complementary

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



69.0584, 86.9869, 90.2412



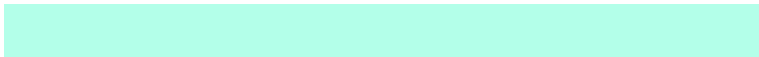
67.9034, 57.7184, 62.8207

# 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.



96.7079, 86.9869, 78.9333



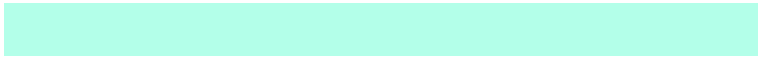
69.0584, 86.9869, 90.2412



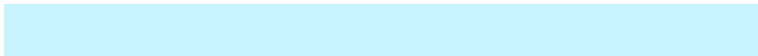
94.9568, 86.9869, 121.5297

# Square

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



69.0584, 86.9869, 90.2412



81.1016, 86.9869, 142.3986



97.9810, 86.9869, 99.3321

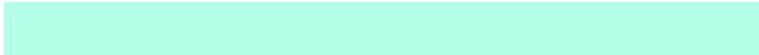


84.2756, 86.9869, 59.0755



# Rectangle

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



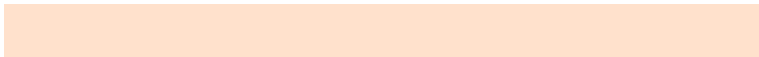
69.0584, 86.9869, 90.2412



72.6160, 86.9869, 126.4943



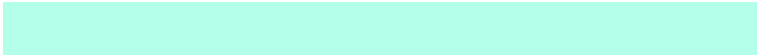
97.9810, 86.9869, 99.3321



93.6300, 86.9869, 68.7593

# Sweetspot

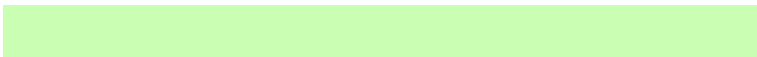
The Sweet Spot groups the original color and five complimentary colors.



69.0593, 86.9873, 90.2427



86.0537, 95.4837, 102.9922



68.2005, 87.3037, 55.9060



18.1282, 20.2916, 21.8450



0.0000, 0.0000, 0.0000

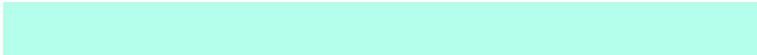


20.3446, 21.4041, 23.3091

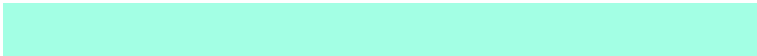


# Same Dimension

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



69.0593, 86.9873, 90.2427



64.9683, 84.9529, 86.6838



67.7424, 79.0068, 106.2872



18.3176, 20.3866, 21.9752



23.1216, 39.1452, 29.5891



2.2987, 3.8304, 3.1309



# Inverse Universe

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



67.9034, 57.7184, 62.8207



63.6421, 51.2332, 55.1195



68.7138, 63.1884, 51.2243



18.2256, 18.0735, 19.8051



22.2470, 11.3881, 4.6853

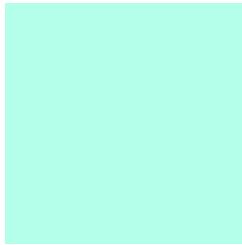


2.2111, 1.1268, 0.6928



# Previews

## White Background



This preview shows how the XYZ color 69.0584, 86.9869, 90.2412 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

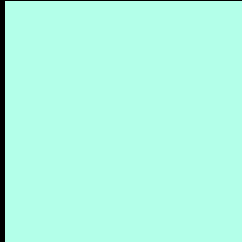
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.0584, 86.9869, 90.2412 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

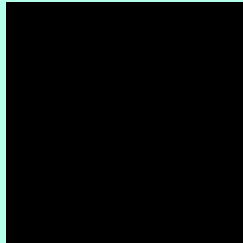
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

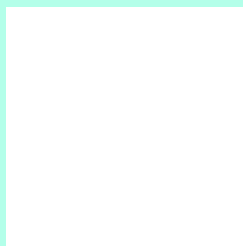
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.0584, 86.9869, 90.2412

## Background



This preview shows how black text looks on a background with the XYZ color 69.0584, 86.9869, 90.2412.



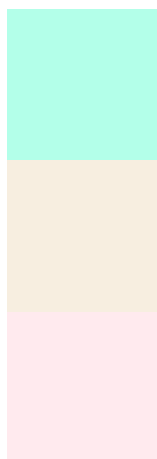
This preview shows how white text looks on a background with the XYZ color 69.0584, 86.9869,



# 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

69.0584, 86.9869, 90.2412

### Protanopia

82.3869, 86.3050, 82.8373

### Deuteranopia

86.0954, 86.2787, 93.0047



## Tritanopia

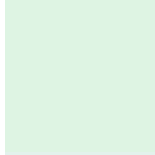
78.4250, 86.3684, 107.1451

# Trichromacy



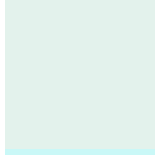
## Original Color

69.0584, 86.9869, 90.2412



## Protanomaly

76.3400, 85.7770, 85.2061



## Deuteranomaly

78.5710, 85.8913, 91.7944



## Tritanomaly

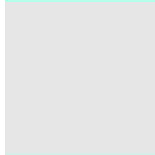
74.7130, 86.4068, 100.7361

# Monochromacy



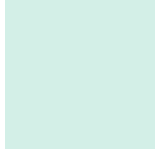
## Original Color

69.0584, 86.9869, 90.2412



## Achromatopsia

75.2129, 79.1298, 86.1723



## Achromatomaly

72.1543, 81.3514, 87.5008

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.0584, 86.9869, 90.2412 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(179, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 69.0584, 86.9869, 90.2412 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(179, 255, 233) }
```



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

```
.border{ border-color:rgb(179, 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(179, 255, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.0584, 86.9869, 90.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 233) }
```

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

```
.background{ background-color: rgb(179,  
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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