

Converting Colors

XYZ(70.5666, 89.3404, 89.8573)

Have a look what the booklet for
XYZ(70.5666, 89.3404, 89.8573)
contains.

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Color

**XYZ(69.6169, 87.2913,
89.5236)**

Conversions

Conversions Part 1

Format	Color
Hex	B6FFE8
RGB	182, 255, 232
RGB Percent	71%, 100%, 91%
CMY	0.2863, 0.0000, 0.0902
CMYK	0.29, 0.00, 0.09, 0.00
HSL	161°, 100%, 86%
HSV	161°, 29%, 100%
XYZ	69.6169, 87.2913, 89.5236
YIQ	230.5510, -36.1250, -22.6290

Conversions

Conversions Part 2

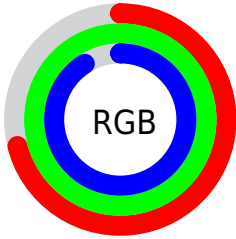
Format	Color
RYB	182, 225, 255
Decimal	11993064
CIELab	94.86, -27.14, 3.78
CIElCh	95, 27.405, 172.081
Yxy	87.2913, 0.2825, 0.3542
Android (android.graphics.Color)	4290183144 (0xFFB6FFE8)
YUV	230.5510, 0.7144, -42.5792
Hunter-Lab	93.4298, -30.4973, 8.5897

Details

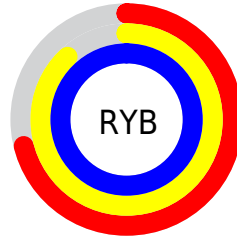
The XYZ color **69.6169, 87.2913, 89.5236** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **68.9880, 59.1248, 65.5342**, and the grayscale version is **75.6359, 79.5749, 86.6571**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **36.7830, 48.0348, 48.4073** is the 20% darker color. If you saturate the color by 10%, you get **63.0180, 84.0182, 83.3940**, and if you desaturate by 10%, it is **77.3663, 91.1513, 95.9822**.

Distribution



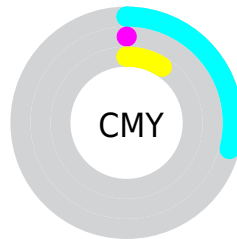
- Red (71%)
- Green (100%)
- Blue (91%)



- Red (71%)
- Yellow (88%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.6169, 87.2913, 89.5236 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 69.6169, 87.2913, 89.5236 by changing the saturation by 10% instead.


 69.6169, 87.2913,
89.5236

 69.6169, 87.2913,
89.5236


448.4911,
519.1796, 547.0100

 51.4927, 65.7363,
67.0141


 117.6915,
143.5701, 148.6062

 36.8235, 48.0584,
48.6344


148.3727,
179.0627, 186.0164

 25.2439, 33.8731,
33.9660


183.9702,
219.9699, 229.2306

 16.3886, 22.7961,
22.5903

224.8495,
266.6762, 278.6673

 9.8921, 14.4430,
14.0889

271.3759,
319.5659, 334.7450

 5.3892, 8.4295,
8.0430

323.9147,

 2.5145, 4.3710,

379.0234, 397.8823

4.0343

382.8314,
445.4332, 468.4978

■ 0.9026, 1.8832,
1.6442

■ 0.0000, 0.5382,
0.3221

■ 69.6169, 87.2913,
89.5236

■ 69.6169, 87.2913,
89.5236

■ 63.0180, 84.0182,
83.3940

■ 77.3663, 91.1513,
95.9822

■ 57.5066, 81.3000,
77.5826

■ 86.3192, 95.6257,
102.7717

■ 53.0178, 79.1029,
72.0842

95.0500, 100.0000,
108.9000

■ 49.4782, 77.3895,
66.8916

■ 46.8043, 76.1166,
61.9970

■ 44.8974, 75.2335,
57.3919

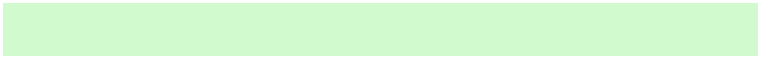
■ 43.6170, 74.6679,
53.0658

■ 43.4646, 74.6018,
52.4919

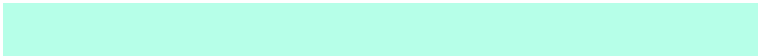
Harmonies

Analogous

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



72.2083, 87.2913, 72.0701



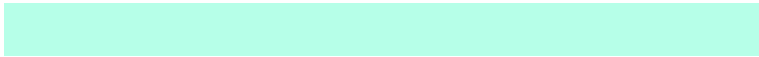
69.6169, 87.2913, 89.5236



70.4304, 87.2913, 111.2571

Triad

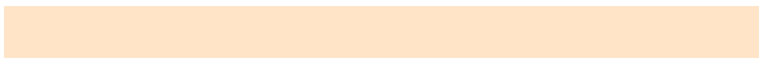
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.6169, 87.2913, 89.5236



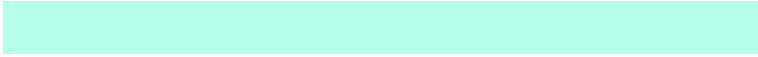
88.4505, 87.2913, 138.1852



92.0531, 87.2913, 66.3044

Complementary

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



69.6169, 87.2913, 89.5236



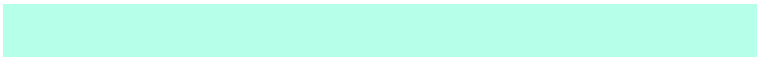
68.9880, 59.1248, 65.5342

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.



96.9111, 87.2913, 80.4903



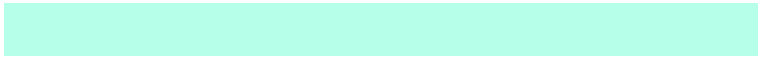
69.6169, 87.2913, 89.5236



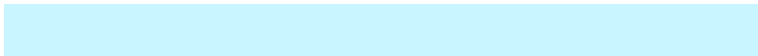
94.7462, 87.2913, 122.4481

Square

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



69.6169, 87.2913, 89.5236



81.0166, 87.2913, 141.5604



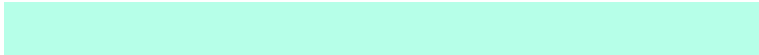
97.9249, 87.2913, 100.7897



84.9500, 87.2913, 60.0311

Rectangle

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



69.6169, 87.2913, 89.5236



72.8176, 87.2913, 125.1611



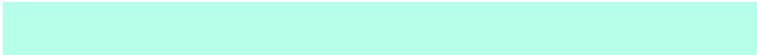
97.9249, 87.2913, 100.7897



94.0199, 87.2913, 70.1951

Sweetspot

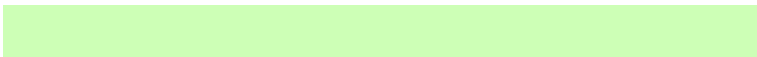
The Sweet Spot groups the original color and five complimentary colors.



69.6178, 87.2917, 89.5250



85.9625, 95.4472, 102.5120



69.4133, 87.8935, 57.5641



18.1057, 20.2826, 21.7263



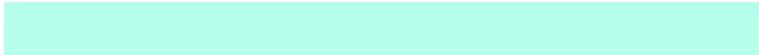
0.0000, 0.0000, 0.0000



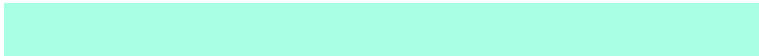
20.3446, 21.4041, 23.3091

Same Dimension

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



69.6178, 87.2917, 89.5250



65.9323, 85.4617, 86.1903



68.9803, 80.4420, 106.4989



18.2970, 20.3783, 21.8669



22.7818, 39.0093, 27.8001



2.2677, 3.8180, 2.9674

Inverse Universe

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



68.9880, 59.1248, 65.5342



65.2181, 53.3442, 58.8543



69.2854, 63.8407, 52.9281



18.2451, 18.0814, 19.9079



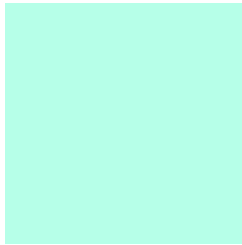
22.3711, 11.4377, 5.3389



2.2252, 1.1324, 0.7671

Previews

White Background



This preview shows how the XYZ color 69.6169, 87.2913, 89.5236 looks on a white background.

Color Contrast Check

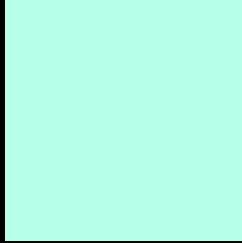
Large Text (above 18pt) WCAG AA × Fail

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 69.6169, 87.2913, 89.5236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

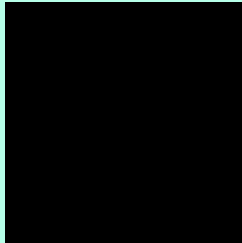
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

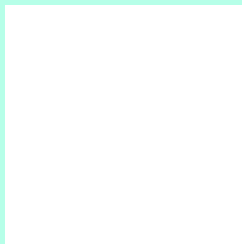
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6169, 87.2913, 89.5236

Background



This preview shows how black text looks on a background with the XYZ color 69.6169, 87.2913, 89.5236.



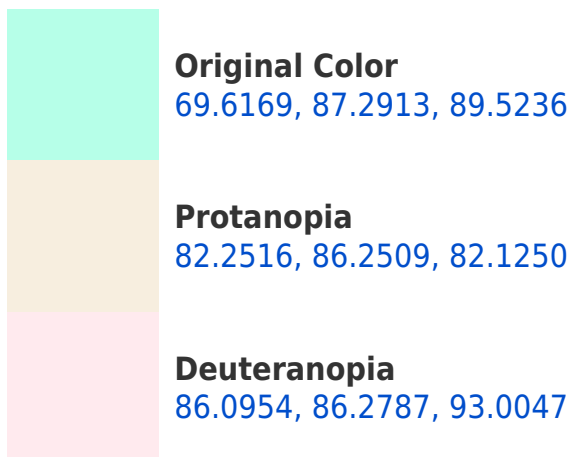
This preview shows how white text looks on a background with the XYZ color 69.6169, 87.2913,

89.5236.

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

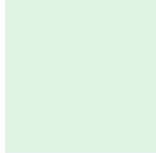
79.0213, 87.1237, 107.2594

Trichromacy



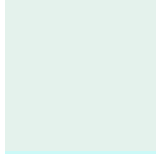
Original Color

69.6169, 87.2913, 89.5236



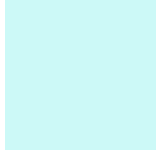
Protanomaly

76.5096, 85.8803, 84.4956



Deuteranomaly

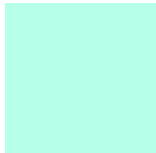
78.8874, 86.0544, 91.8092



Tritanomaly

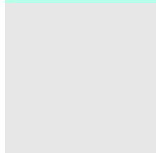
75.5660, 87.3041, 100.8643

Monochromacy



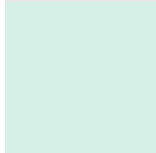
Original Color

69.6169, 87.2913, 89.5236



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.0245, 82.2358, 87.6256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6169, 87.2913, 89.5236 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(182, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 232)  
}
```

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(182, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 69.6169, 87.2913, 89.5236 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(182, 255, 232) }
```


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

```
.border{ border-color:rgb(182, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6169, 87.2913, 89.5236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 232) }
```

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

```
.background{ background-color: rgb(182,  
255, 232) }
```

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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