

Converting Colors

XYZ(59.7982, 82.6511, 70.0183)

Have a look what the booklet for
XYZ(59.7982, 82.6511, 70.0183)
contains.

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Color

**XYZ(59.7960, 82.6519,
69.9286)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFCC
RGB	153, 255, 204
RGB Percent	60%, 100%, 80%
CMY	0.4000, 0.0000, 0.2000
CMYK	0.40, 0.00, 0.20, 0.00
HSL	150°, 100%, 80%
HSV	150°, 40%, 100%
XYZ	59.7960, 82.6519, 69.9286
YIQ	218.6880, -44.4210, -37.4850

Conversions

Conversions Part 2

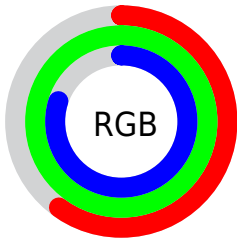
Format	Color
RYB	153, 221, 255
Decimal	10092492
CIELab	92.86, -40.80, 15.14
CIELCh	93, 43.518, 159.645
Yxy	82.6519, 0.2816, 0.3892
Android (android.graphics.Color)	4288282572 (0xFF99FFCC)
YUV	218.6880, -7.2412, -57.6084
Hunter-Lab	90.9131, -41.6936, 18.0344

Details

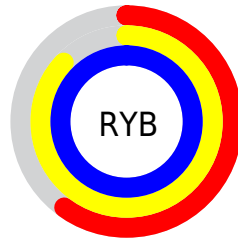
The XYZ color **59.7960, 82.6519, 69.9286** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63.5309, 48.4031, 63.1215**, and the grayscale version is **67.1864, 70.6853, 76.9763**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **30.5230, 45.0770, 35.9462** is the 20% darker color. If you saturate the color by 10%, you get **54.0193, 79.8434, 62.0002**, and if you desaturate by 10%, it is **66.7279, 86.0414, 78.5674**.

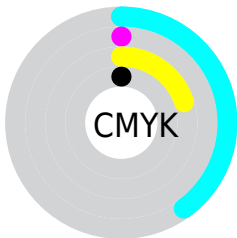
Distribution



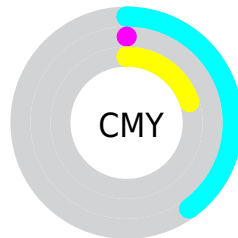
- Red (60%)
- Green (100%)
- Blue (80%)



- Red (60%)
- Yellow (87%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7960, 82.6519, 69.9286 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 59.7960, 82.6519, 69.9286 by changing the saturation by 10% instead.


 59.7960, 82.6519,
69.9286


 59.7960, 82.6519,
69.9286


413.6922,
503.8257, 479.0816

 43.5031, 61.9030,
50.9919


 103.6417,
137.0878, 120.7871

 30.4762, 44.9543,
35.8255


 131.9252,
171.5436, 153.5459

 20.3502, 31.4215,
24.0108


164.9362,
211.3372, 191.7493

 12.7596, 20.9200,
15.1294

203.0402,
256.8530, 235.8156

 7.3391, 13.0655,
8.7626

246.6024,
308.4753, 286.1634

 3.7233, 7.4737,
4.4920

295.9882,

 1.5468, 3.7601,

366.5886, 343.2113

1.8989

351.5631,
431.5773, 407.3779

■ 0.3573, 1.5403,
0.4921

■ 0.0000, 0.3168,
0.0000

■ 59.7960, 82.6519,
69.9286

■ 59.7960, 82.6519,
69.9286

■ 54.0193, 79.8434,
62.0002

■ 66.7279, 86.0414,
78.5674

■ 49.3263, 77.5795,
54.7591

■ 74.8757, 90.0430,
87.9303

■ 45.6409, 75.8213,
48.1870

■ 84.2987, 94.6868,
98.0361

■ 42.8754, 74.5239,
42.2630

95.0500, 100.0000,
108.9000

■ 40.9257, 73.6340,
36.9647

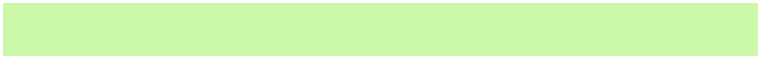
■ 39.6237, 73.0655,
32.2657

■ 39.6236, 73.0654,
32.2652

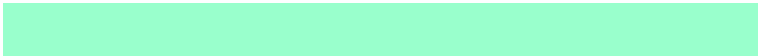
Harmonies

Analogous

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



65.4216, 82.6519, 49.8861



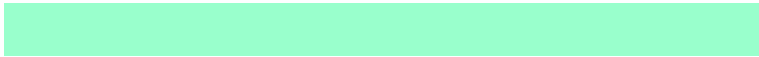
59.7960, 82.6519, 69.9286



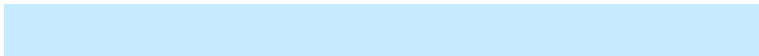
58.9200, 82.6519, 100.8938

Triad

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



59.7960, 82.6519, 69.9286



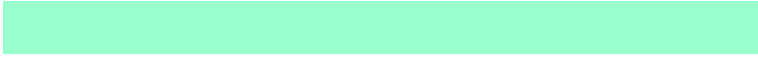
82.2772, 82.6519, 166.8880



96.6192, 82.6519, 55.6720

Complementary

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



59.7960, 82.6519, 69.9286



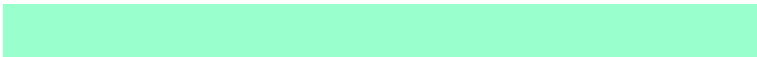
63.5309, 48.4031, 63.1215

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.



102.1368, 82.6519, 79.9087



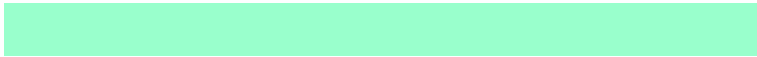
59.7960, 82.6519, 69.9286



93.3451, 82.6519, 147.3129

Square

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



59.7960, 82.6519, 69.9286



71.1979, 82.6519, 162.3646



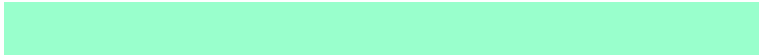
100.8840, 82.6519, 113.5713



86.4090, 82.6519, 43.1386

Rectangle

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



59.7960, 82.6519, 69.9286



61.0518, 82.6519, 124.6423



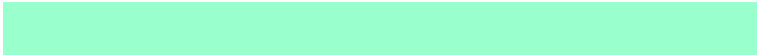
100.8840, 82.6519, 113.5713



99.1269, 82.6519, 62.4470

Sweetspot

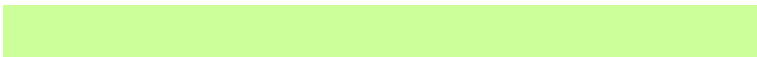
The Sweet Spot groups the original color and five complimentary colors.



59.7968, 82.6523, 69.9300



82.3083, 93.7048, 95.9535



66.4123, 86.6576, 43.3645



17.3454, 19.9225, 20.2505



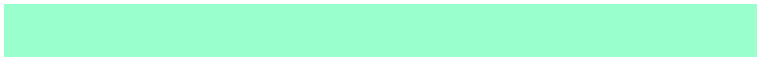
0.0000, 0.0000, 0.0000



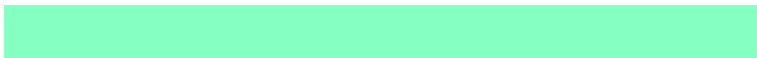
20.3446, 21.4041, 23.3091

Same Dimension

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



59.7968, 82.6523, 69.9300



55.0851, 80.3601, 63.5295



66.9474, 85.5126, 107.5848



18.1504, 20.3197, 21.0949



20.7795, 38.2084, 17.2561



2.0784, 3.7423, 1.9704

Inverse Universe

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



63.5309, 48.4031, 63.1215



59.2879, 41.8118, 55.8664



58.3817, 46.3434, 36.0064



18.3882, 18.1386, 20.6613



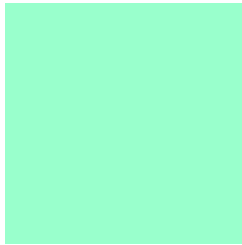
23.6428, 11.9464, 12.0355



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 59.7960, 82.6519, 69.9286 looks on a white background.

Color Contrast Check

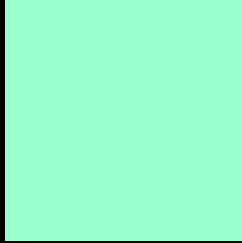
Large Text (above 18pt) WCAG AA × Fail

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 59.7960, 82.6519, 69.9286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

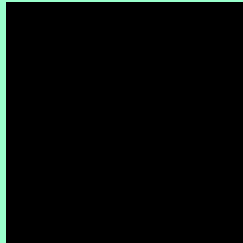
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

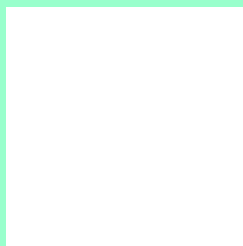
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.7960, 82.6519, 69.9286

Background



This preview shows how black text looks on a background with the XYZ color 59.7960, 82.6519, 69.9286.



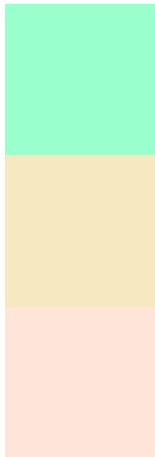
This preview shows how white text looks on a background with the XYZ color 59.7960, 82.6519,

69.9286.

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

59.7960, 82.6519, 69.9286

Protanopia

76.7706, 81.7209, 62.1795

Deuteranopia

81.6383, 81.8088, 77.8175



Tritanopia

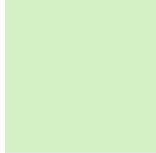
72.0503, 82.1936, 106.6752

Trichromacy



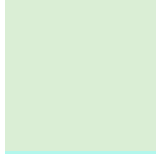
Original Color

59.7960, 82.6519, 69.9286



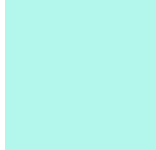
Protanomaly

68.6847, 80.9389, 64.8260



Deuteranomaly

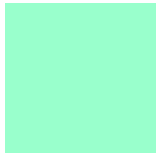
71.4982, 80.8586, 74.7897



Tritanomaly

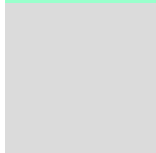
66.9915, 82.1614, 91.6848

Monochromacy



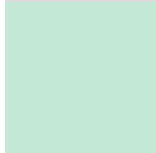
Original Color

59.7960, 82.6519, 69.9286



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.4999, 74.1704, 74.5878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7960, 82.6519, 69.9286 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(153, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 204)  
}
```

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(153, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 59.7960, 82.6519, 69.9286 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(153, 255, 204) }
```


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

```
.border{ border-color:rgb(153, 255, 204) }
```

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

Here you see how a box with a 4 pixel rgb(153, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7960, 82.6519, 69.9286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 204) }
```

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

```
.background{ background-color: rgb(153,  
255, 204) }
```

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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