

Converting Colors

XYZ(59.9370, 82.7950, 66.7569)

Have a look what the booklet for
XYZ(59.9370, 82.7950, 66.7569)
contains.

XYZ(59.9734, 82.8116, 66.8561)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.9734, 82.8116,
66.8561)**

Conversions

Conversions Part 1

Format	Color
Hex	9DFFC7
RGB	157, 255, 199
RGB Percent	62%, 100%, 78%
CMY	0.3843, 0.0000, 0.2196
CMYK	0.38, 0.00, 0.22, 0.00
HSL	146°, 100%, 81%
HSV	146°, 38%, 100%
XYZ	59.9734, 82.8116, 66.8561
YIQ	219.3140, -40.4320, -38.1920

Conversions

Conversions Part 2

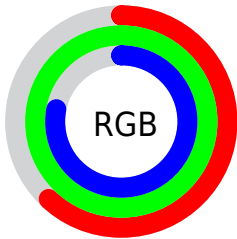
Format	Color
RYB	157, 226, 255
Decimal	10354631
CIELab	92.93, -40.68, 17.82
CIELCh	93, 44.413, 156.340
Yxy	82.8116, 0.2861, 0.3950
Android (android.graphics.Color)	4288544711 (0xFF9DFFC7)
YUV	219.3140, -10.0148, -54.6494
Hunter-Lab	91.0009, -41.6125, 20.1417

Details

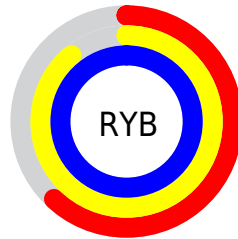
The XYZ color **59.9734, 82.8116, 66.8561** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.3076, 50.1787, 69.1942**, and the grayscale version is **67.6372, 71.1596, 77.4929**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **30.6717, 45.1992, 33.8958** is the 20% darker color. If you saturate the color by 10%, you get **53.8950, 79.8643, 58.1594**, and if you desaturate by 10%, it is **67.2534, 86.3596, 76.4574**.

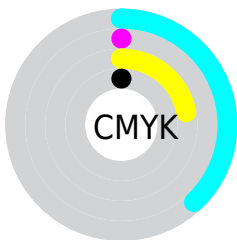
Distribution



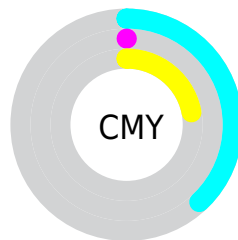
- Red (62%)
- Green (100%)
- Blue (78%)



- Red (62%)
- Yellow (89%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9734, 82.8116, 66.8561 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 59.9734, 82.8116, 66.8561 by changing the saturation by 10% instead.


 59.9734, 82.8116,
66.8561


 59.9734, 82.8116,
66.8561


414.3360,
504.3584, 467.9199

 43.6466, 62.0347,
48.5068


 103.8976,
137.3116, 116.3529

 30.5895, 45.0608,
33.8656


 132.2258,
171.8035, 148.3375

 20.4367, 31.5053,
22.5138


165.2850,
211.6358, 185.7043

 12.8230, 20.9839,
14.0330

203.4408,
257.1930, 228.8718

 7.3829, 13.1122,
8.0046

247.0584,
308.8595, 278.2586

 3.7512, 7.5059,
4.0101

296.5033,

 1.5623, 3.7804,

367.0196, 334.2831

1.6309

352.1407,
432.0578, 397.3641

■ 0.3677, 1.5515,
0.3127

■ 0.0000, 0.3246,
0.0000

■ 59.9734, 82.8116,
66.8561

■ 59.9734, 82.8116,
66.8561

■ 53.8950, 79.8643,
58.1594

■ 67.2534, 86.3596,
76.4574

■ 48.9465, 77.4813,
50.3363

■ 75.7967, 90.5397,
86.9850

■ 45.0515, 75.6237,
43.3599

■ 85.6632, 95.3822,
98.4648

■ 42.1224, 74.2470,
37.2002

95.0500, 100.0000,
108.9000

■ 40.0563, 73.2987,
31.8250

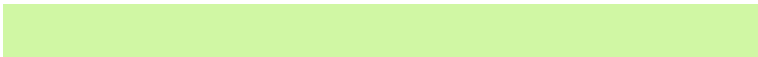
■ 38.7111, 72.7062,
27.1989

■ 38.5359, 72.6303,
26.5375

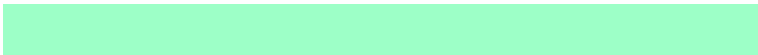
Harmonies

Analogous

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



66.2027, 82.8116, 47.8332



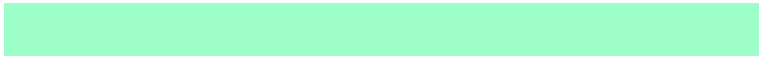
59.9734, 82.8116, 66.8561



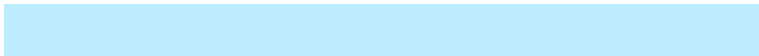
58.5328, 82.8116, 97.4170

Triad

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



59.9734, 82.8116, 66.8561



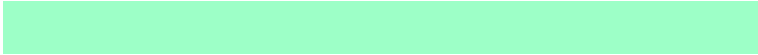
81.2021, 82.8116, 169.8556



98.1071, 82.8116, 57.3265

Complementary

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



59.9734, 82.8116, 66.8561



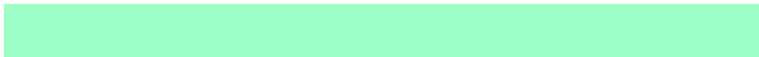
65.3076, 50.1787, 69.1942

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.



103.0609, 82.8116, 83.2873



59.9734, 82.8116, 66.8561



92.7009, 82.8116, 152.1321

Square

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



59.9734, 82.8116, 66.8561



70.0824, 82.8116, 162.3637



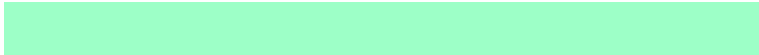
100.9913, 82.8116, 118.3517



88.0180, 82.8116, 43.3522

Rectangle

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



59.9734, 82.8116, 66.8561



60.3423, 82.8116, 121.6310



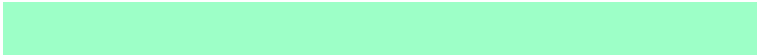
100.9913, 82.8116, 118.3517



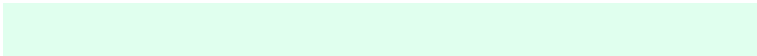
100.4711, 82.8116, 64.6600

Sweetspot

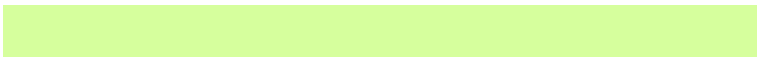
The Sweet Spot groups the original color and five complimentary colors.



59.9741, 82.8119, 66.8575



81.9860, 93.5758, 94.2563



69.6265, 88.2758, 45.2685



17.2696, 19.8922, 19.8517



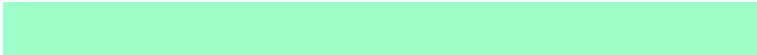
0.0000, 0.0000, 0.0000



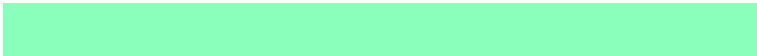
20.3446, 21.4041, 23.3091

Same Dimension

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



59.9741, 82.8119, 66.8575



55.2658, 80.5274, 60.1920



66.4279, 85.3934, 100.8425



18.0947, 20.2974, 20.8017



20.2071, 37.9794, 14.2416



2.0209, 3.7193, 1.6679

Inverse Universe

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



65.3076, 50.1787, 69.1942



61.2721, 43.7456, 62.7996



60.1042, 48.0974, 41.7937



18.4444, 18.1611, 20.9572



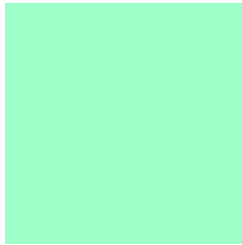
24.3244, 12.2191, 15.6247



2.4231, 1.2116, 1.8097

Previews

White Background



This preview shows how the XYZ color 59.9734, 82.8116, 66.8561 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 59.9734, 82.8116, 66.8561 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

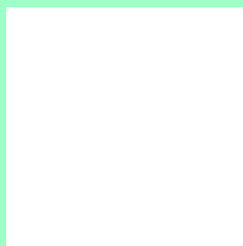
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.9734, 82.8116, 66.8561

Background



This preview shows how black text looks on a background with the XYZ color 59.9734, 82.8116, 66.8561.

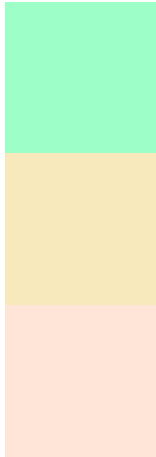


This preview shows how white text looks on a background with the XYZ color 59.9734, 82.8116,

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

59.9734, 82.8116, 66.8561

Protanopia

76.9274, 81.8651, 59.3240

Deuteranopia

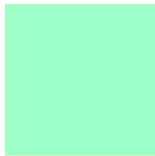
81.3781, 81.7047, 76.4472



Tritanopia

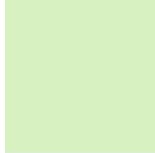
72.5671, 82.4600, 106.6994

Trichromacy



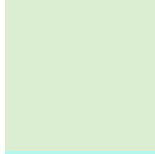
Original Color

59.9734, 82.8116, 66.8561



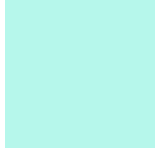
Protanomaly

68.9941, 81.1634, 61.8989



Deuteranomaly

71.4208, 80.8623, 72.8165



Tritanomaly

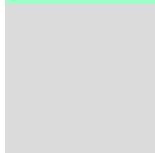
67.5476, 82.4648, 90.9544

Monochromacy



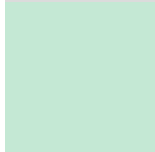
Original Color

59.9734, 82.8116, 66.8561



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.5052, 74.2025, 73.2628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9734, 82.8116, 66.8561 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(157, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 199)  
}
```

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(157, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 59.9734, 82.8116, 66.8561 is called "border". The border property can be set on classes, ids or directly on the HTML element.

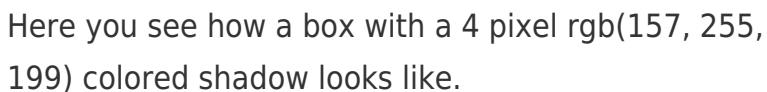
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 255, 199) }
```


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

```
.border{ border-color:rgb(157, 255, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9734, 82.8116, 66.8561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 199) }
```

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

```
.background{ background-color: rgb(157,  
255, 199) }
```

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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