

Converting Colors

XYZ(59.6689, 82.9808, 52.1050)

Have a look what the booklet for
XYZ(59.6689, 82.9808, 52.1050)
contains.

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Color

**XYZ(59.5686, 82.9336,
51.8979)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FFAC
RGB	169, 255, 172
RGB Percent	66%, 100%, 67%
CMY	0.3372, 0.0000, 0.3255
CMYK	0.34, 0.00, 0.33, 0.00
HSL	122°, 100%, 83%
HSV	122°, 34%, 100%
XYZ	59.5686, 82.9336, 51.8979
YIQ	219.8240, -24.6130, -44.0450

Conversions

Conversions Part 2

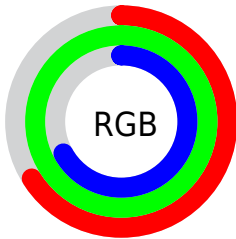
Format	Color
RYB	169, 252, 255
Decimal	11141036
CIELab	92.99, -41.88, 31.68
CIELCh	93, 52.508, 142.895
Yxy	82.9336, 0.3064, 0.4266
Android (android.graphics.Color)	4289331116 (0xFFA9FFAC)
YUV	219.8240, -23.5772, -44.5726
Hunter-Lab	91.0679, -42.6098, 29.9592

Details

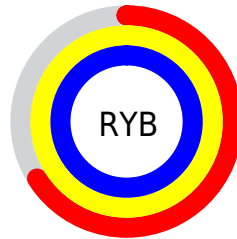
The XYZ color **59.5686, 82.9336, 51.8979** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **72.9987, 56.6646, 99.1843**, and the grayscale version is **68.0760, 71.6212, 77.9955**.

A 20% lighter version of the original color is **81.1276, 93.2902, 87.1297**, and **30.3339, 45.2308, 24.5844** is the 20% darker color. If you saturate the color by 10%, you get **52.4720, 79.5234, 40.3495**, and if you desaturate by 10%, it is **68.1707, 87.0693, 65.8040**.

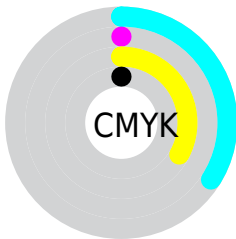
Distribution



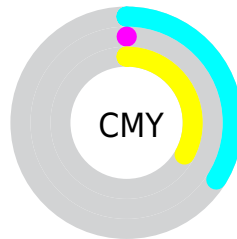
- Red (66%)
- Green (100%)
- Blue (67%)



- Red (66%)
- Yellow (99%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5686, 82.9336, 51.8979 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 59.5686, 82.9336, 51.8979 by changing the saturation by 10% instead.


 59.5686, 82.9336,
51.8979

 59.5686, 82.9336,
51.8979


412.8661,
504.7652, 410.9880

 43.3191, 62.1354,
36.5420


 103.3135,
137.4825, 94.4057

 30.3312, 45.1421,
24.5601


131.5397,
172.0019, 122.3947

 20.2394, 31.5694,
15.5336


164.4888,
211.8638, 155.4318

 12.6785, 21.0328,
9.0440

202.5262,
257.4527, 193.9356

 7.2830, 13.1480,
4.6727

246.0173,
309.1529, 238.3245

 3.6876, 7.5305,
2.0012

295.3274,

 1.5270, 3.7960,

367.3487, 289.0172

0.5560

350.8219,
432.4247, 346.4322

■ 0.3441, 1.5601,
0.0000

■ 0.0000, 0.3305,
0.0000

■ 59.5686, 82.9336,
51.8979

■ 59.5686, 82.9336,
51.8979

■ 52.4720, 79.5234,
40.3495

■ 68.1707, 87.0693,
65.8040

■ 46.7929, 76.7963,
31.0245

■ 78.3564, 91.9682,
82.1841

■ 42.4366, 74.7063,
23.7811

■ 90.2002, 97.6663,
101.1517

■ 39.2962, 73.2019,
18.4598

95.0500, 100.0000,
108.9000

■ 37.2479, 72.2231,
14.8777

■ 36.1422, 71.6976,
12.8171

■ 35.8088, 71.5395,
12.1767

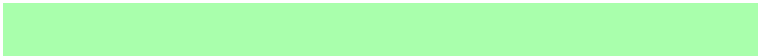
Harmonies

Analogous

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



68.9833, 82.9336, 36.9751



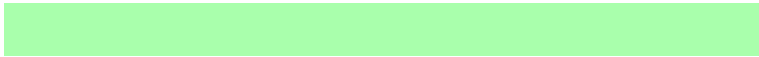
59.5686, 82.9336, 51.8979



55.3981, 82.9336, 81.2568

Triad

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



59.5686, 82.9336, 51.8979



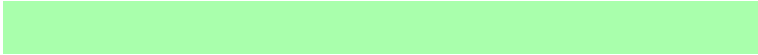
75.6013, 82.9336, 188.1756



105.7696, 82.9336, 63.9357

Complementary

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



59.5686, 82.9336, 51.8979



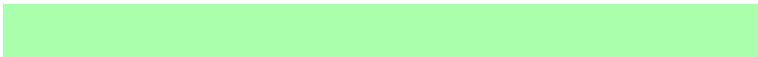
72.9987, 56.6646, 99.1843

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.



108.0723, 82.9336, 99.9917



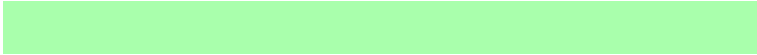
59.5686, 82.9336, 51.8979



89.5628, 82.9336, 179.5305

Square

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



59.5686, 82.9336, 51.8979



63.9307, 82.9336, 165.1285



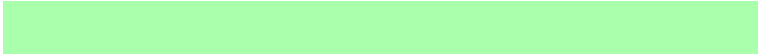
101.8417, 82.9336, 144.1012



95.8717, 82.9336, 42.3825

Rectangle

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



59.5686, 82.9336, 51.8979



55.7654, 82.9336, 108.2693



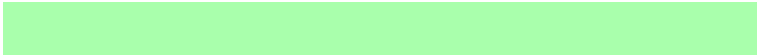
101.8417, 82.9336, 144.1012



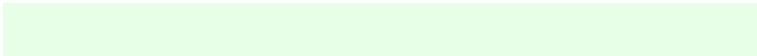
107.5012, 82.9336, 74.4388

Sweetspot

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



59.5691, 82.9338, 51.8992



82.5706, 93.9955, 88.9413



83.1148, 95.1050, 51.5132



17.3274, 19.9524, 18.4823



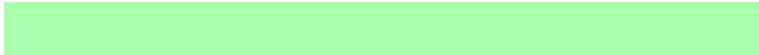
0.0000, 0.0000, 0.0000



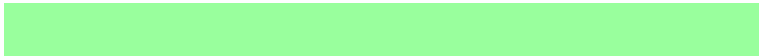
20.3446, 21.4041, 23.3091

Same Dimension

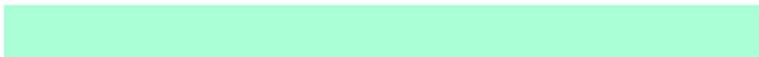
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.5691, 82.9338, 51.8992



54.9451, 80.7116, 44.3845



64.3711, 84.8546, 77.1865



17.7973, 20.1784, 19.2353



18.7219, 37.3854, 6.4210



1.8315, 3.6435, 0.6706

Inverse Universe

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



72.9987, 56.6646, 99.1843



70.1133, 51.0353, 97.7866



66.9534, 54.2465, 67.3504



18.7637, 18.2888, 22.6386



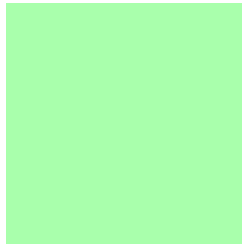
30.2610, 14.5937, 46.8863



2.9547, 1.4242, 4.6086

Previews

White Background



This preview shows how the XYZ color 59.5686, 82.9336, 51.8979 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 59.5686, 82.9336, 51.8979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

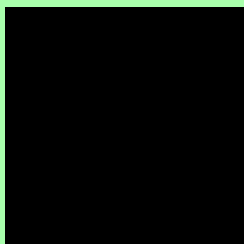
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.5686, 82.9336, 51.8979

Background



This preview shows how black text looks on a background with the XYZ color 59.5686, 82.9336, 51.8979.



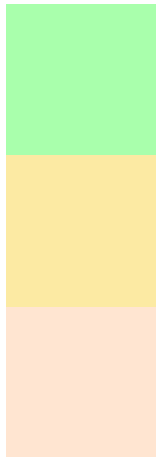
This preview shows how white text looks on a background with the XYZ color 59.5686, 82.9336, 51.8979.

51.8979.

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

59.5686, 82.9336, 51.8979

Protanopia

76.1786, 82.1854, 46.4987

Deuteranopia

80.7679, 81.9021, 71.8734



Tritanopia

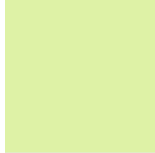
73.5927, 82.5481, 106.6624

Trichromacy



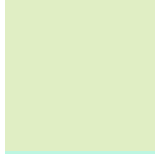
Original Color

59.5686, 82.9336, 51.8979



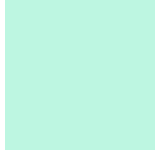
Protanomaly

68.7593, 81.7870, 48.2389



Deuteranomaly

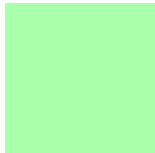
71.2788, 80.9819, 64.0988



Tritanomaly

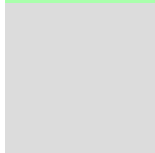
67.5326, 82.1666, 83.5346

Monochromacy



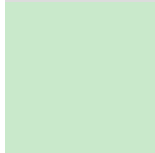
Original Color

59.5686, 82.9336, 51.8979



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.0058, 75.0071, 67.6043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5686, 82.9336, 51.8979 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(169, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 172)  
}
```

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(169, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 172) }
```

Border

The CSS property to change the border of an element to XYZ 59.5686, 82.9336, 51.8979 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(169, 255, 172) }
```


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

```
.border{ border-color:rgb(169, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 255, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 255, 172); box-shadow:4px 4px 4px 4px rgb(169, 255, 172) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5686, 82.9336, 51.8979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 172) }
```

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

```
.background{ background-color: rgb(169,  
255, 172) }
```

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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