

Converting Colors

XYZ(59.8924, 82.9946, 56.6989)

Have a look what the booklet for
XYZ(59.8924, 82.9946, 56.6989)
contains.

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Color

**XYZ(59.8264, 82.9632,
56.5764)**

Conversions

Conversions Part 1

Format	Color
Hex	A6FFB5
RGB	166, 255, 181
RGB Percent	65%, 100%, 71%
CMY	0.3490, 0.0000, 0.2902
CMYK	0.35, 0.00, 0.29, 0.00
HSL	130°, 100%, 83%
HSV	130°, 35%, 100%
XYZ	59.8264, 82.9632, 56.5764
YIQ	219.9530, -29.2900, -41.8820

Conversions

Conversions Part 2

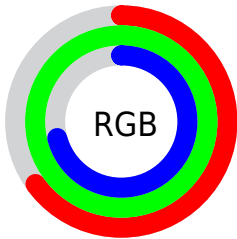
Format	Color
RYB	166, 242, 255
Decimal	10944437
CIELab	93.00, -41.32, 27.14
CIELCh	93, 49.433, 146.700
Yxy	82.9632, 0.3001, 0.4161
Android (android.graphics.Color)	4289134517 (0xFFA6FFB5)
YUV	219.9530, -19.2038, -47.3168
Hunter-Lab	91.0841, -42.1539, 26.9312

Details

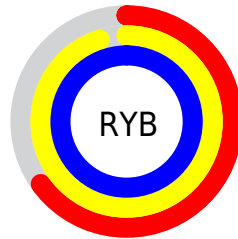
The XYZ color **59.8264, 82.9632, 56.5764** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70.6046, 54.8242, 89.2983**, and the grayscale version is **68.1389, 71.6874, 78.0676**.

A 20% lighter version of the original color is **81.4775, 93.3224, 93.8395**, and **30.5208, 45.2617, 27.5498** is the 20% darker color. If you saturate the color by 10%, you get **52.9877, 79.6702, 45.7514**, and if you desaturate by 10%, it is **68.0571, 86.9355, 69.1973**.

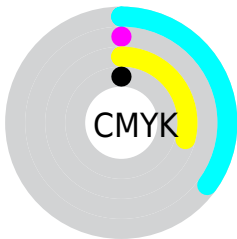
Distribution



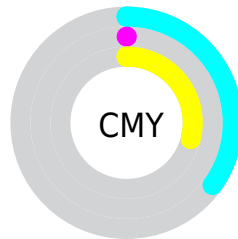
- Red (65%)
- Green (100%)
- Blue (71%)



- Red (65%)
- Yellow (95%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8264, 82.9632, 56.5764 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 59.8264, 82.9632, 56.5764 by changing the saturation by 10% instead.


 59.8264, 82.9632,
56.5764


 59.8264, 82.9632,
56.5764


413.8026,
504.8639, 429.3093

 43.5276, 62.1598,
40.2582


 103.6856,
137.5239, 101.3410

 30.4956, 45.1618,
27.4246


 131.9767,
172.0500, 130.6245

 20.3650, 31.5849,
17.6571


164.9960,
211.9191, 165.0668

 12.7705, 21.0446,
10.5372

203.1089,
257.5157, 205.0864

 7.3466, 13.1566,
5.6463

246.6806,
309.2240, 251.1019

 3.7280, 7.5365,
2.5660

296.0765,

 1.5495, 3.7998,

367.4286, 303.5319

0.8748

351.6621,
432.5137, 362.7948

0.3591, 1.5622,
0.0000

0.0000, 0.3319,
0.0000

59.8264, 82.9632,
56.5764

59.8264, 82.9632,
56.5764

52.9877, 79.6702,
45.7514

68.0571, 86.9355,
69.1973

47.4614, 77.0173,
36.6370

77.7499, 91.6216,
83.6865

43.1624, 74.9625,
29.1465

88.9720, 97.0548,
100.1171

39.9948, 73.4582,
23.1843

95.0500, 100.0000,
108.9000

■ 37.8477, 72.4496,
18.6447

■ 36.5870, 71.8700,
15.4083

■ 36.1957, 71.6943,
14.2143

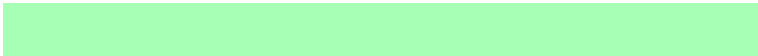
Harmonies

Analogous

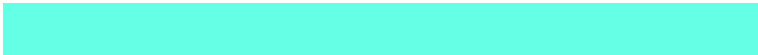
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1907, 82.9632, 40.4429



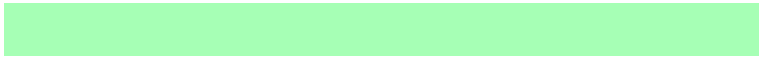
59.8264, 82.9632, 56.5764



56.5239, 82.9632, 86.2915

Triad

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



59.8264, 82.9632, 56.5764



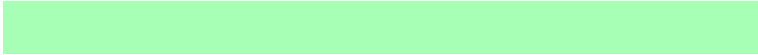
77.4300, 82.9632, 181.8227



103.2458, 82.9632, 61.9399

Complementary

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



59.8264, 82.9632, 56.5764



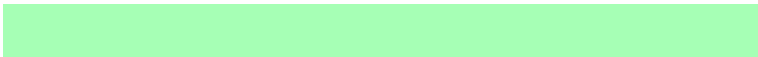
70.6046, 54.8242, 89.2983

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.



106.4046, 82.9632, 94.4984



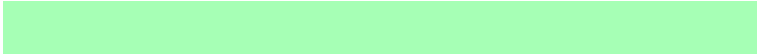
59.8264, 82.9632, 56.5764



90.5748, 82.9632, 170.1528

Square

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



59.8264, 82.9632, 56.5764



65.9630, 82.9632, 163.9711



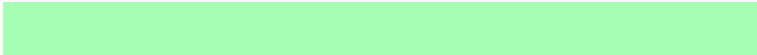
101.5406, 82.9632, 135.3929



93.3238, 82.9632, 42.8920

Rectangle

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



59.8264, 82.9632, 56.5764



57.3355, 82.9632, 112.4046



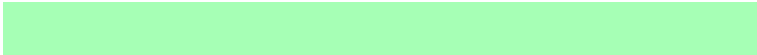
101.5406, 82.9632, 135.3929



105.1777, 82.9632, 71.3578

Sweetspot

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



59.8270, 82.9635, 56.5777



83.0552, 94.1893, 91.4928



78.6350, 92.8277, 49.8502



17.4435, 19.9988, 19.0938



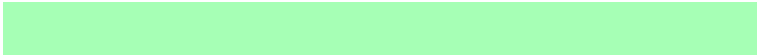
0.0000, 0.0000, 0.0000



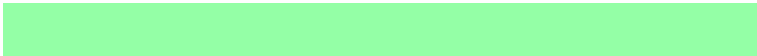
20.3446, 21.4041, 23.3091

Same Dimension

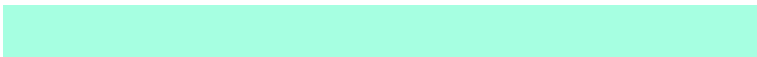
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.8270, 82.9635, 56.5777



54.8332, 80.5580, 48.7125



65.1224, 85.0816, 84.4633



17.8965, 20.2181, 19.7578



18.9493, 37.4763, 7.6183



1.8783, 3.6622, 0.9168

Inverse Universe

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



70.6046, 54.8242, 89.2983



67.0927, 48.5198, 85.9101



64.8025, 52.5034, 58.7452



18.6535, 18.2447, 22.0582



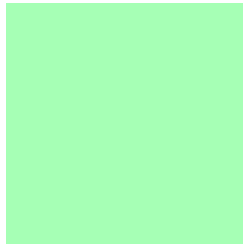
27.8080, 13.6125, 33.9693



2.7408, 1.3387, 3.4827

Previews

White Background



This preview shows how the XYZ color 59.8264, 82.9632, 56.5764 looks on a white background.

Color Contrast Check

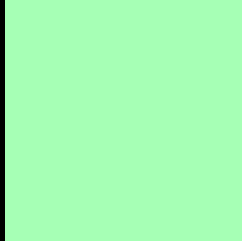
Large Text (above 18pt) WCAG AA × Fail

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 59.8264, 82.9632, 56.5764 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 59.8264, 82.9632, 56.5764

Background



This preview shows how black text looks on a background with the XYZ color 59.8264, 82.9632, 56.5764.

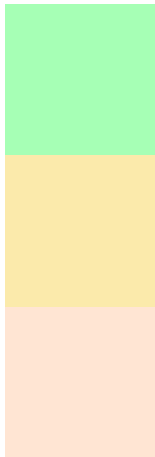


This preview shows how white text looks on a background with the XYZ color 59.8264, 82.9632,

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

59.8264, 82.9632, 56.5764

Protanopia

76.5572, 82.2951, 50.3776

Deuteranopia

81.0172, 82.0018, 73.1859



Tritanopia

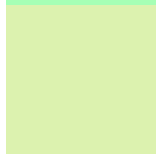
73.3247, 82.4100, 106.6498

Trichromacy



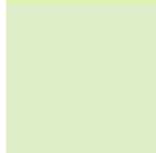
Original Color

59.8264, 82.9632, 56.5764



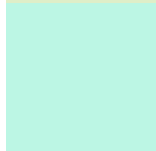
Protanomaly

69.0052, 81.8151, 52.7124



Deuteranomaly

71.4313, 81.0072, 66.5147



Tritanomaly

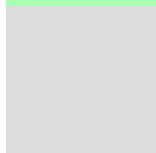
67.6984, 82.2043, 85.6977

Monochromacy



Original Color

59.8264, 82.9632, 56.5764



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.0989, 75.0134, 69.4932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8264, 82.9632, 56.5764 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(166, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 181)  
}
```

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(166, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 181) }
```

Border

The CSS property to change the border of an element to XYZ 59.8264, 82.9632, 56.5764 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(166, 255, 181) }
```


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

```
.border{ border-color:rgb(166, 255, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8264, 82.9632, 56.5764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 181) }
```

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

```
.background{ background-color: rgb(166,  
255, 181) }
```

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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