

Converting Colors

XYZ(76.6052, 111.8172,
85.2479)

Have a look what the booklet for
XYZ(76.6052, 111.8172, 85.2479)
contains.

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Color

**XYZ(62.5829, 83.8554,
80.5974)**

Conversions

Conversions Part 1

Format	Color
Hex	9DFFDC
RGB	157, 255, 220
RGB Percent	62%, 100%, 86%
CMY	0.3843, 0.0000, 0.1372
CMYK	0.38, 0.00, 0.14, 0.00
HSL	159°, 100%, 81%
HSV	159°, 38%, 100%
XYZ	62.5829, 83.8554, 80.5974
YIQ	221.7080, -47.1730, -31.6610

Conversions

Conversions Part 2

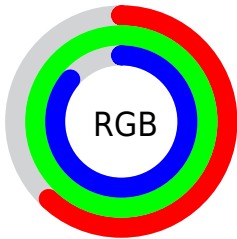
Format	Color
RYB	157, 217, 255
Decimal	10354652
CIELab	93.39, -36.51, 7.68
CIELCh	93, 37.311, 168.121
Yxy	83.8554, 0.2757, 0.3693
Android (android.graphics.Color)	4288544732 (0xFF9DFFDC)
YUV	221.7080, -0.8420, -56.7489
Hunter-Lab	91.5726, -38.2609, 11.9169

Details

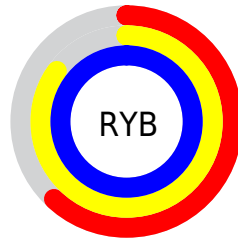
The XYZ color **62.5829, 83.8554, 80.5974** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **62.8120, 49.1808, 56.0520**, and the grayscale version is **69.2547, 72.8613, 79.3460**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **32.3524, 45.8715, 42.7462** is the 20% darker color. If you saturate the color by 10%, you get **56.9429, 81.0834, 74.2086**, and if you desaturate by 10%, it is **69.3285, 87.1897, 87.3838**.

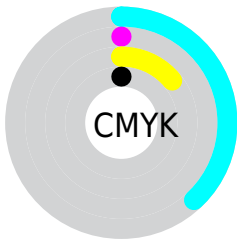
Distribution



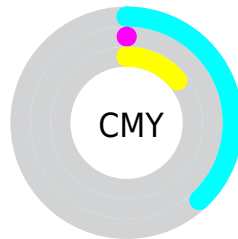
- Red (62%)
- Green (100%)
- Blue (86%)



- Red (62%)
- Yellow (85%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.5829, 83.8554, 80.5974 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 62.5829, 83.8554, 80.5974 by changing the saturation by 10% instead.


 62.5829, 83.8554,
80.5974


 62.5829, 83.8554,
80.5974


423.7379,
507.8329, 516.7036

 45.7612, 62.8961,
59.6810


 107.6527,
138.7729, 136.0243

 32.2613, 45.7571,
42.7380


 136.6316,
173.4998, 171.3719

 21.7177, 32.0542,
29.3497


170.3936,
213.5847, 212.3670

 13.7650, 21.4029,
19.0977

209.3041,
259.4120, 259.4281

 8.0380, 13.4188,
11.5633

253.7284,
311.3661, 312.9738

 4.1713, 7.7176,
6.3282

304.0319,

 1.7995, 3.9148,

369.8314, 373.4225

2.9736

360.5800,
435.1922, 441.1930

■ 0.5174, 1.6260,
1.0812

■ 0.0000, 0.3750,
0.0000

■ 62.5829, 83.8554,
80.5974

■ 62.5829, 83.8554,
80.5974

■ 56.9429, 81.0834,
74.2086

■ 69.3285, 87.1897,
87.3838

■ 52.3398, 78.8386,
68.2045

■ 77.2376, 91.1161,
94.5716

■ 48.7010, 77.0835,
62.5777

■ 86.3671, 95.6638,
102.1699

■ 45.9429, 75.7752,
57.3185

95.0500, 100.0000,
108.9000

■ 43.9667, 74.8629,
52.4165

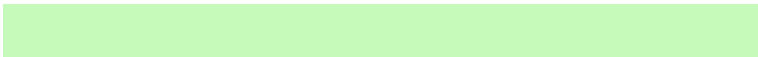
■ 42.6345, 74.2756,
47.8592

■ 42.4546, 74.1978,
47.1733

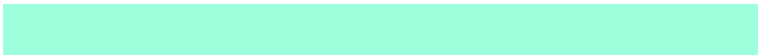
Harmonies

Analogous

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



66.4280, 83.8554, 59.6967



62.5829, 83.8554, 80.5974



63.0378, 83.8554, 109.2162

Triad

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



62.5829, 83.8554, 80.5974



85.7329, 83.8554, 153.0959



93.0122, 83.8554, 56.6090

Complementary

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



62.5829, 83.8554, 80.5974



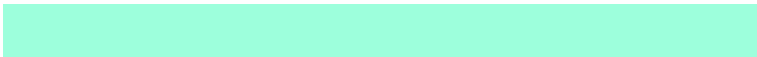
62.8120, 49.1808, 56.0520

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.



99.0712, 83.8554, 75.4663



62.5829, 83.8554, 80.5974



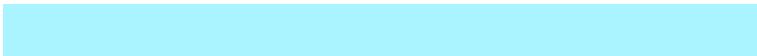
94.6362, 83.8554, 132.4667

Square

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



62.5829, 83.8554, 80.5974



75.8701, 83.8554, 155.2612



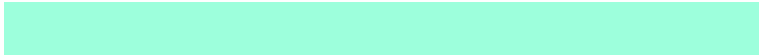
99.6889, 83.8554, 102.9197



83.6608, 83.8554, 47.8795

Rectangle

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



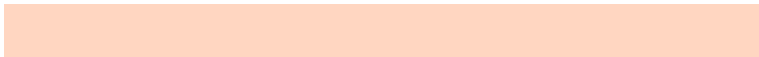
62.5829, 83.8554, 80.5974



65.7239, 83.8554, 129.0077



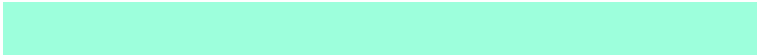
99.6889, 83.8554, 102.9197



95.5336, 83.8554, 61.7715

Sweetspot

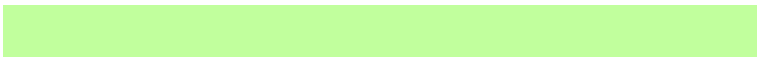
The Sweet Spot groups the original color and five complimentary colors.



62.5837, 83.8558, 80.5988



82.9646, 93.9673, 99.4099



63.8219, 85.2834, 44.9972



17.4999, 19.9844, 21.0645



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

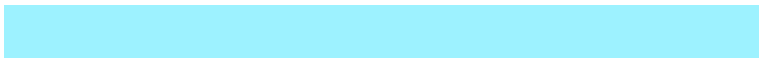
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.5837, 83.8558, 80.5988



58.2157, 81.7073, 75.7257



63.6876, 77.8532, 106.2782



18.2633, 20.3649, 21.6896



22.2573, 38.7995, 25.0379



2.2193, 3.7986, 2.7125

Inverse Universe

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



62.8120, 49.1808, 56.0520



58.4822, 42.6297, 48.1083



61.7138, 52.4698, 38.7746



18.2774, 18.0943, 20.0777



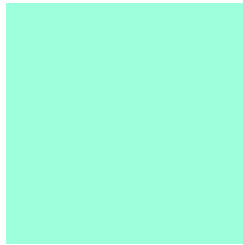
22.6014, 11.5299, 6.5515



2.2505, 1.1426, 0.9004

Previews

White Background



This preview shows how the XYZ color 62.5829, 83.8554, 80.5974 looks on a white background.

Color Contrast Check

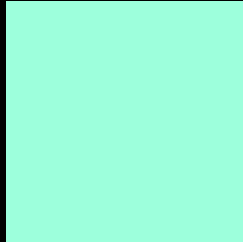
Large Text (above 18pt) WCAG AA × Fail

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 62.5829, 83.8554, 80.5974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

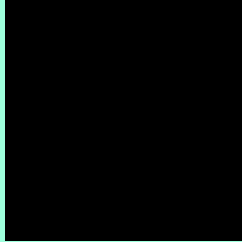
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

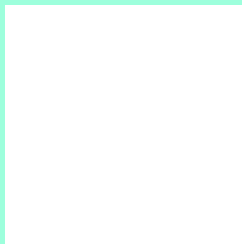
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.5829, 83.8554, 80.5974

Background



This preview shows how black text looks on a background with the XYZ color 62.5829, 83.8554, 80.5974.



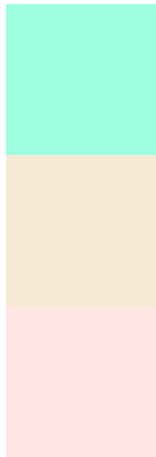
This preview shows how white text looks on a background with the XYZ color 62.5829, 83.8554,

80.5974.

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

62.5829, 83.8554, 80.5974

Protanopia

78.5876, 82.8616, 72.1735

Deuteranopia

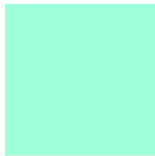
83.2629, 82.9001, 85.0117



Tritanopia

73.6538, 83.4633, 106.8358

Trichromacy



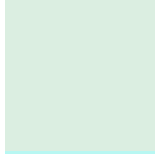
Original Color

62.5829, 83.8554, 80.5974



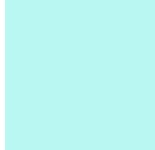
Protanomaly

71.2029, 82.4545, 75.1133



Deuteranomaly

73.3786, 81.6454, 83.1258



Tritanomaly

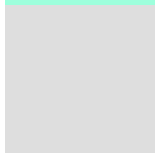
69.0549, 83.1227, 96.4091

Monochromacy



Original Color

62.5829, 83.8554, 80.5974



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

65.7627, 76.0719, 79.6239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.5829, 83.8554, 80.5974 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 62.5829, 83.8554, 80.5974 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, 220) }
```


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

```
.border{ border-color:rgb(157, 255, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 62.5829, 83.8554, 80.5974 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, 220) }
```

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

```
.background{ background-color: rgb(157,  
255, 220) }
```

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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