

Converting Colors

XYZ(62.5609, 81.5765, 85.5648)

Have a look what the booklet for
XYZ(62.5609, 81.5765, 85.5648)
contains.

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Color

**XYZ(62.4873, 81.3436,
85.8062)**

Conversions

Conversions Part 1

Format	Color
Hex	9FFAE4
RGB	159, 250, 228
RGB Percent	62%, 98%, 89%
CMY	0.3765, 0.0196, 0.1059
CMYK	0.36, 0.00, 0.09, 0.02
HSL	165°, 90%, 80%
HSV	165°, 36%, 98%
XYZ	62.4873, 81.3436, 85.8062
YIQ	220.2830, -47.1740, -26.1340

Conversions

Conversions Part 2

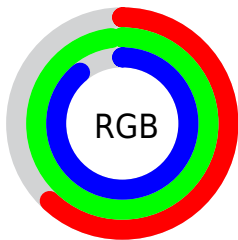
Format	Color
RYB	159, 211, 250
Decimal	10484452
CIELab	92.28, -31.98, 1.96
CIElCh	92, 32.038, 176.489
Yxy	81.3436, 0.2721, 0.3542
Android (android.graphics.Color)	4288674532 (0xFF9FFAE4)
YUV	220.2830, 3.8045, -53.7452
Hunter-Lab	90.1907, -34.1626, 6.7258

Details

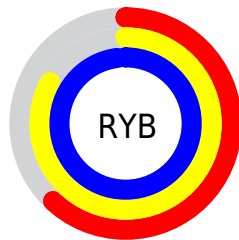
The XYZ color **62.4873, 81.3436, 85.8062** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.1658, 48.4587, 49.9017**, and the grayscale version is **68.2249, 71.7779, 78.1661**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **32.2063, 44.0406, 46.3384** is the 20% darker color. If you saturate the color by 10%, you get **57.1981, 78.7143, 81.2558**, and if you desaturate by 10%, it is **68.8131, 84.5081, 90.5618**.

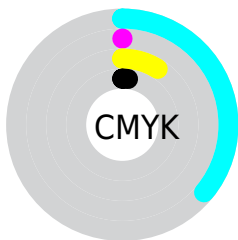
Distribution



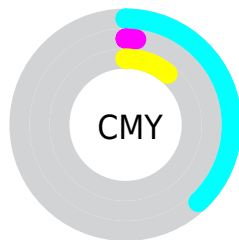
- Red (62%)
- Green (98%)
- Blue (89%)



- Red (62%)
- Yellow (83%)
- Blue (98%)



- Cyan (36%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)





- Cyan (38%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.4873, 81.3436, 85.8062 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 62.4873, 81.3436, 85.8062 by changing the saturation by 10% instead.


 62.4873, 81.3436,
85.8062


 62.4873, 81.3436,
85.8062


423.3957,
499.4494, 534.5060

 45.6837, 60.8246,
63.9538


 107.5155,
135.2531, 143.3832

 32.1998, 44.0836,
46.1673


 136.4707,
169.4125, 179.9448

 21.6705, 30.7363,
32.0282


170.2072,
208.8874, 222.2465

 13.7302, 20.3981,
21.1181

209.0903,
254.0623, 270.7069

 8.0137, 12.6848,
13.0182

253.4853,
305.3215, 325.7445

 4.1556, 7.2118,
7.3102

303.7576,

 1.7905, 3.5949,

363.0495, 387.7778

3.5755

360.2727,
427.6307, 457.2255

■ 0.5120, 1.4497,
1.3955

■ 0.0000, 0.2529,
0.1382

■ 62.4873, 81.3436,
85.8062

■ 62.4873, 81.3436,
85.8062

■ 57.1981, 78.7143,
81.2558

■ 68.8131, 84.5081,
90.5618

■ 52.8773, 76.5788,
76.9006

■ 76.2245, 88.2267,
95.5212

■ 49.4597, 74.9055,
72.7377

■ 84.7757, 92.5295,
100.6901

■ 46.8686, 73.6551,
68.7620

■ 93.0264, 96.6738,
106.0027

■ 45.0142, 72.7812,
64.9676

■ 93.4770, 96.8541,
108.3757

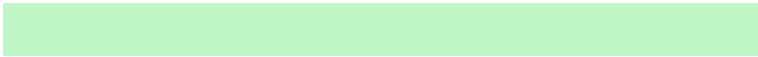
■ 43.7846, 72.2261,
61.3477

■ 43.4330, 72.0724,
60.0840

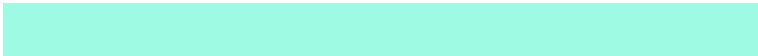
Harmonies

Analogous

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



64.7852, 81.3436, 65.7051



62.4873, 81.3436, 85.8062



63.9224, 81.3436, 110.5031

Triad

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



62.4873, 81.3436, 85.8062



84.6355, 81.3436, 135.9685



86.4420, 81.3436, 55.7318

Complementary

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



62.4873, 81.3436, 85.8062



60.1658, 48.4587, 49.9017

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.



92.4578, 81.3436, 69.7489



62.4873, 81.3436, 85.8062



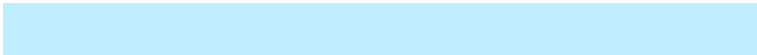
91.3636, 81.3436, 116.2037

Square

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



62.4873, 81.3436, 85.8062



76.3437, 81.3436, 142.3211



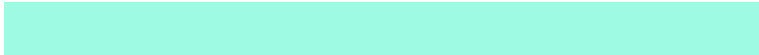
94.3195, 81.3436, 91.3912



78.2938, 81.3436, 50.4083

Rectangle

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



62.4873, 81.3436, 85.8062



66.8629, 81.3436, 125.9245



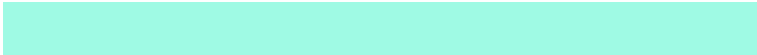
94.3195, 81.3436, 91.3912



88.8025, 81.3436, 59.4454

Sweetspot

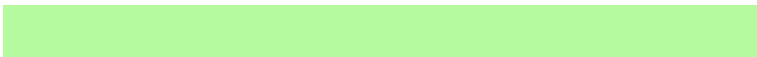
The Sweet Spot groups the original color and five complimentary colors.



62.4896, 81.3469, 85.8081



84.3999, 94.6336, 102.8021



59.6786, 80.7925, 45.2515



17.8063, 20.1253, 21.8470



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

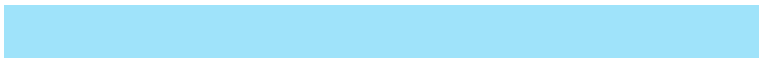
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.4896, 81.3469, 85.8081



61.0389, 82.9361, 86.0966



59.0935, 69.3511, 100.7178



17.5759, 19.5326, 21.2331



23.0967, 38.2517, 32.1824



2.1806, 3.5593, 3.1987

Inverse Universe

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



60.1658, 48.4587, 49.9017



58.2814, 43.7445, 43.3664



62.3618, 56.1832, 40.3600



17.4166, 17.2940, 18.7838



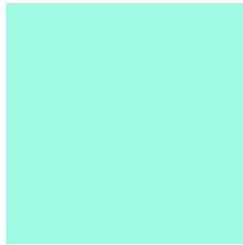
21.3977, 10.9748, 3.5367



2.0216, 1.0324, 0.5371

Previews

White Background



This preview shows how the XYZ color 62.4873, 81.3436, 85.8062 looks on a white background.

Color Contrast Check

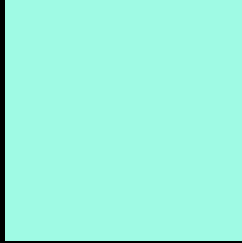
Large Text (above 18pt) WCAG AA × Fail

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 62.4873, 81.3436, 85.8062 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

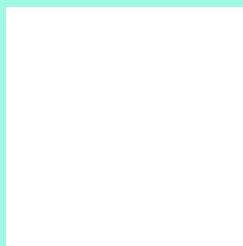
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.4873, 81.3436, 85.8062

Background



This preview shows how black text looks on a background with the XYZ color 62.4873, 81.3436, 85.8062.



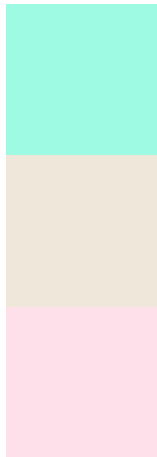
This preview shows how white text looks on a background with the XYZ color 62.4873, 81.3436,

85.8062.

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

62.4873, 81.3436, 85.8062

Protanopia

76.6969, 80.5123, 77.1437

Deuteranopia

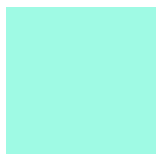
81.8716, 80.0771, 88.2321



Tritanopia

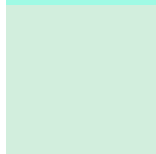
70.7405, 81.0777, 106.5289

Trichromacy



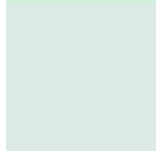
Original Color

62.4873, 81.3436, 85.8062



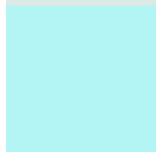
Protanomaly

70.2040, 80.0712, 80.1617



Deuteranomaly

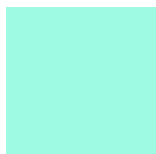
72.7761, 79.1074, 87.0349



Tritanomaly

67.4225, 80.8776, 98.4436

Monochromacy



Original Color

62.4873, 81.3436, 85.8062



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.1839, 74.4853, 80.7536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.4873, 81.3436, 85.8062 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(159, 250, 228)` looks like.

```
.text, #text, p{  
    color:rgb(159, 250, 228)  
}
```

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(159, 250, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 250, 228) }
```

Border

The CSS property to change the border of an element to XYZ 62.4873, 81.3436, 85.8062 is called "border". The border property can be set on classes, ids or directly on the HTML element.

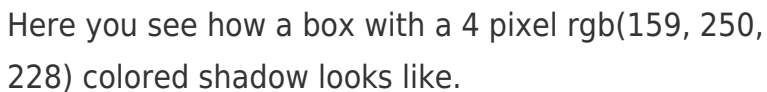
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 250, 228) }
```


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

```
.border{ border-color:rgb(159, 250, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 250, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 250, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 250, 228); box-shadow:4px 4px 4px 4px rgb(159, 250, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 62.4873, 81.3436, 85.8062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 250, 228) }
```

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

```
.background{ background-color: rgb(159,  
250, 228) }
```

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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