

Converting Colors

XYZ(61.6683, 83.4009, 79.7884)

Have a look what the booklet for
XYZ(61.6683, 83.4009, 79.7884)
contains.

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Color

**XYZ(61.6831, 83.4068,
79.8659)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFDB
RGB	153, 255, 219
RGB Percent	60%, 100%, 86%
CMY	0.4000, 0.0000, 0.1412
CMYK	0.40, 0.00, 0.14, 0.00
HSL	159°, 100%, 80%
HSV	159°, 40%, 100%
XYZ	61.6831, 83.4068, 79.8659
YIQ	220.3980, -49.2360, -32.8200

Conversions

Conversions Part 2

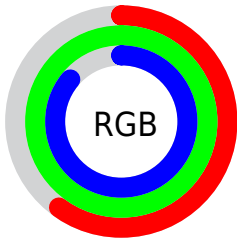
Format	Color
RYB	153, 215, 255
Decimal	10092507
CIELab	93.19, -37.76, 7.89
CIElCh	93, 38.581, 168.195
Yxy	83.4068, 0.2742, 0.3708
Android (android.graphics.Color)	4288282587 (0xFF99FFDB)
YUV	220.3980, -0.6892, -59.1080
Hunter-Lab	91.3273, -39.2627, 12.0799

Details

The XYZ color **61.6831, 83.4068, 79.8659** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.8172, 47.7177, 54.0972**, and the grayscale version is **68.3349, 71.8936, 78.2921**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **31.7188, 45.5553, 42.2433** is the 20% darker color. If you saturate the color by 10%, you get **56.2207, 80.7240, 73.5923**, and if you desaturate by 10%, it is **68.2396, 86.6462, 86.5278**.

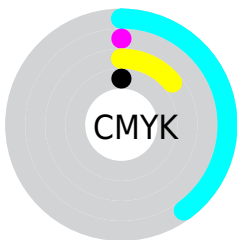
Distribution



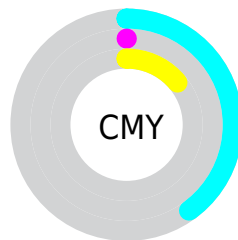
- Red (60%)
- Green (100%)
- Blue (86%)



- Red (60%)
- Yellow (84%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.6831, 83.4068, 79.8659 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 61.6831, 83.4068, 79.8659 by changing the saturation by 10% instead.


 61.6831, 83.4068,
79.8659


 61.6831, 83.4068,
79.8659


420.5102,
506.3413, 514.1756

 45.0313, 62.5258,
59.0825


 106.3599,
138.1451, 134.9869

 31.6835, 45.4577,
42.2591


 135.1157,
172.7711, 170.1615

 21.2742, 31.8181,
28.9771


168.6368,
212.7477, 210.9703

 13.4382, 21.2226,
18.8181

207.2886,
258.4591, 257.8318

 7.8101, 13.2868,
11.3634

251.4365,
310.2897, 311.1646

 4.0244, 7.6263,
6.1946

301.4458,

 1.7160, 3.8568,

368.6241, 371.3871

2.8931

357.6819,
433.8465, 438.9179

0.4662, 1.5938,
1.0403

0.0000, 0.3534,
0.0000

61.6831, 83.4068,
79.8659

61.6831, 83.4068,
79.8659

56.2207, 80.7240,
73.5923

68.2396, 86.6462,
86.5278

51.7828, 78.5621,
67.6946

75.9490, 90.4724,
93.5819

48.2954, 76.8831,
62.1652

84.8687, 94.9148,
101.0372

45.6729, 75.6429,
56.9946

95.0500, 100.0000,
108.9000

■ 43.8137, 74.7892,
52.1725

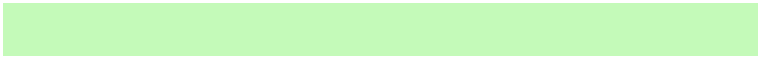
■ 42.5519, 74.2368,
47.6852

■ 42.5517, 74.2367,
47.6847

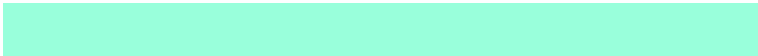
Harmonies

Analogous

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



65.6135, 83.4068, 58.4508



61.6831, 83.4068, 79.8659



62.1602, 83.4068, 109.3892

Triad

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



61.6831, 83.4068, 79.8659



85.5203, 83.4068, 154.8528



92.9940, 83.4068, 55.2310

Complementary

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



61.6831, 83.4068, 79.8659



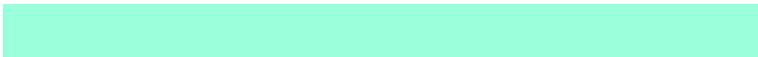
61.8172, 47.7177, 54.0972

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.



99.2756, 83.4068, 74.4736



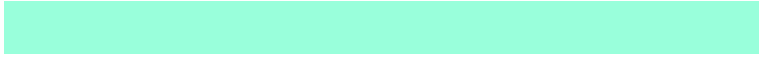
61.6831, 83.4068, 79.8659



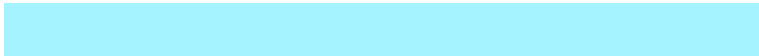
94.7137, 83.4068, 133.3491

Square

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



61.6831, 83.4068, 79.8659



75.3539, 83.4068, 157.1633



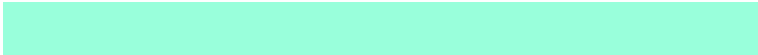
99.9306, 83.4068, 102.7235



83.3312, 83.4068, 46.3940

Rectangle

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



61.6831, 83.4068, 79.8659



64.9201, 83.4068, 129.8989



99.9306, 83.4068, 102.7235



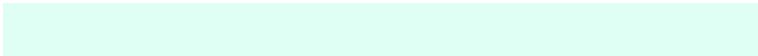
95.6053, 83.4068, 60.4822

Sweetspot

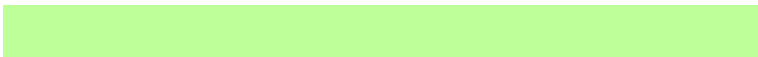
The Sweet Spot groups the original color and five complimentary colors.



61.6839, 83.4072, 79.8673



82.9842, 93.9751, 99.5127



62.8458, 84.8190, 43.1978



17.5045, 19.9862, 21.0887



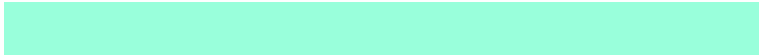
0.0000, 0.0000, 0.0000



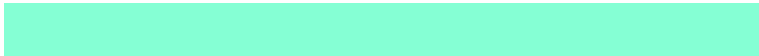
20.3446, 21.4041, 23.3091

Same Dimension

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



61.6839, 83.4072, 79.8673



57.2284, 81.2175, 74.8161



62.7615, 77.1406, 106.1895



18.2667, 20.3662, 21.7072



22.3078, 38.8197, 25.3037



2.2240, 3.8005, 2.7372

Inverse Universe

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



61.8172, 47.7177, 54.0972



57.3895, 41.0524, 45.8693



60.7361, 51.0522, 36.7913



18.2741, 18.0930, 20.0607



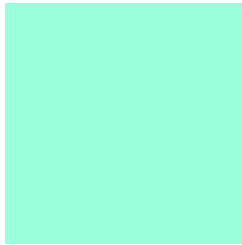
22.5769, 11.5201, 6.4226



2.2478, 1.1415, 0.8864

Previews

White Background



This preview shows how the XYZ color 61.6831, 83.4068, 79.8659 looks on a white background.

Color Contrast Check

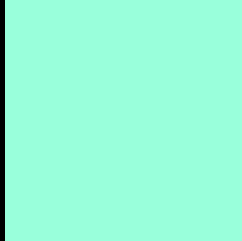
Large Text (above 18pt) WCAG AA × Fail

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 61.6831, 83.4068, 79.8659 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

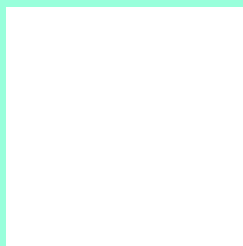
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.6831, 83.4068, 79.8659

Background



This preview shows how black text looks on a background with the XYZ color 61.6831, 83.4068, 79.8659.



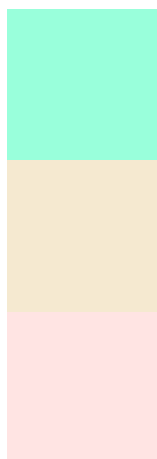
This preview shows how white text looks on a background with the XYZ color 61.6831, 83.4068,

79.8659.

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

61.6831, 83.4068, 79.8659

Protanopia

78.1803, 82.2444, 71.4287

Deuteranopia

82.8485, 82.2929, 84.1906



Tritanopia

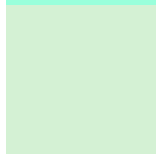
73.1265, 83.1915, 106.8111

Trichromacy



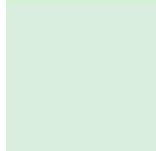
Original Color

61.6831, 83.4068, 79.8659



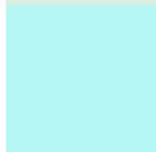
Protanomaly

70.4903, 81.6611, 74.3343



Deuteranomaly

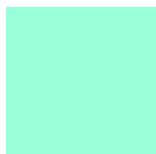
72.9425, 81.4363, 82.3953



Tritanomaly

68.3438, 82.7561, 96.3758

Monochromacy



Original Color

61.6831, 83.4068, 79.8659



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.8221, 75.1809, 78.8050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.6831, 83.4068, 79.8659 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(153, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 219)  
}
```

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(153, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 61.6831, 83.4068, 79.8659 is called "border". The border property can be set on classes, ids or directly on the HTML element.

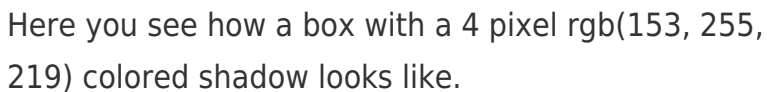
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 255, 219) }
```


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

```
.border{ border-color:rgb(153, 255, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 61.6831, 83.4068, 79.8659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 219) }
```

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

```
.background{ background-color: rgb(153,  
255, 219) }
```

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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