

Converting Colors

XYZ(61.8881, 83.4888, 80.9456)

Have a look what the booklet for
XYZ(61.8881, 83.4888, 80.9456)
contains.

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Color

**XYZ(61.9480, 83.5128,
81.2612)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFDD
RGB	153, 255, 221
RGB Percent	60%, 100%, 87%
CMY	0.4000, 0.0000, 0.1333
CMYK	0.40, 0.00, 0.13, 0.00
HSL	160°, 100%, 80%
HSV	160°, 40%, 100%
XYZ	61.9480, 83.5128, 81.2612
YIQ	220.6260, -49.8780, -32.1980

Conversions

Conversions Part 2

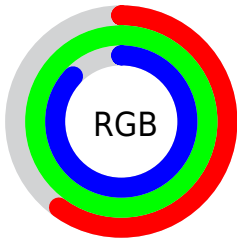
Format	Color
RYB	153, 214, 255
Decimal	10092509
CIELab	93.24, -37.35, 6.93
CIElCh	93, 37.982, 169.490
Yxy	83.5128, 0.2732, 0.3683
Android (android.graphics.Color)	4288282589 (0xFF99FFDD)
YUV	220.6260, 0.1844, -59.3080
Hunter-Lab	91.3853, -38.9233, 11.2482

Details

The XYZ color **61.9480, 83.5128, 81.2612** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.6014, 47.6313, 52.9612**, and the grayscale version is **68.4888, 72.0555, 78.4685**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **31.9009, 45.6281, 43.2022** is the 20% darker color. If you saturate the color by 10%, you get **56.5346, 80.8496, 75.2459**, and if you desaturate by 10%, it is **68.4487, 86.7298, 87.6295**.

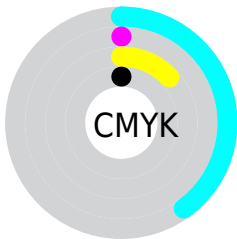
Distribution



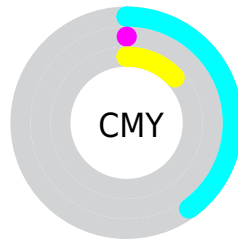
- Red (60%)
- Green (100%)
- Blue (87%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.9480, 83.5128, 81.2612 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 61.9480, 83.5128, 81.2612 by changing the saturation by 10% instead.


 61.9480, 83.5128,
81.2612


 61.9480, 83.5128,
81.2612


421.4620,
506.6940, 518.9915

 45.2461, 62.6133,
60.2245


 106.7407,
138.2935, 136.9648

 31.8534, 45.5284,
43.1731


 135.5623,
172.9434, 172.4688

 21.4046, 31.8739,
29.6886


169.1545,
212.9455, 213.6324

 13.5342, 21.2652,
19.3523

207.8826,
258.6843, 260.8739

 7.8769, 13.3180,
11.7457

252.1121,
310.5442, 314.6121

 4.0674, 7.6479,
6.4503

302.2082,

 1.7404, 3.8705,

368.9095, 375.2654

3.0476

358.5364,
434.1646, 443.2523

■ 0.4813, 1.6014,
1.1190

■ 0.0000, 0.3585,
0.0000

■ 61.9480, 83.5128,
81.2612

■ 61.9480, 83.5128,
81.2612

■ 56.5346, 80.8496,
75.2459

■ 68.4487, 86.7298,
87.6295

■ 52.1392, 78.7047,
69.5718

■ 76.0955, 90.5309,
94.3536

■ 48.6879, 77.0401,
64.2324

■ 84.9454, 94.9455,
101.4419

■ 46.0953, 75.8119,
59.2191

95.0500, 100.0000,
108.9000

■ 44.2599, 74.9677,
54.5224

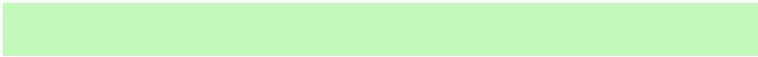
■ 43.0161, 74.4224,
50.1298

■ 43.0159, 74.4224,
50.1293

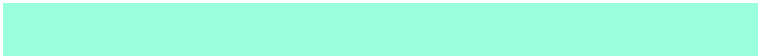
Harmonies

Analogous

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



65.6493, 83.5128, 59.6727



61.9480, 83.5128, 81.2612



62.6102, 83.5128, 110.5489

Triad

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



61.9480, 83.5128, 81.2612



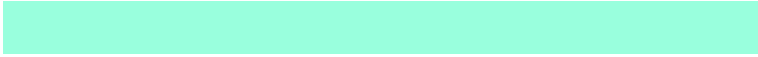
85.9595, 83.5128, 153.2762



92.5194, 83.5128, 55.1902

Complementary

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



61.9480, 83.5128, 81.2612



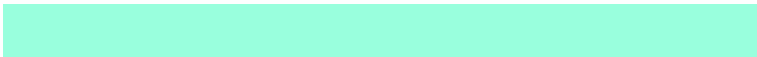
61.6014, 47.6313, 52.9612

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.



98.8967, 83.5128, 73.7836



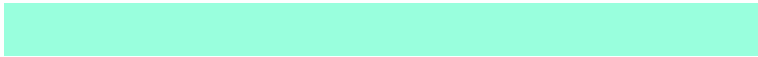
61.9480, 83.5128, 81.2612



94.8949, 83.5128, 131.5523

Square

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



61.9480, 83.5128, 81.2612



75.9239, 83.5128, 156.4556



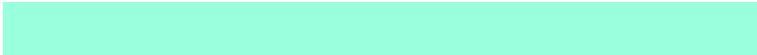
99.8008, 83.5128, 101.3395



82.9320, 83.5128, 46.8572

Rectangle

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



61.9480, 83.5128, 81.2612



65.4559, 83.5128, 130.5953



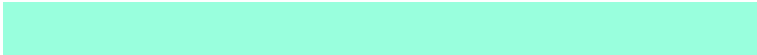
99.8008, 83.5128, 101.3395



95.1427, 83.5128, 60.2408

Sweetspot

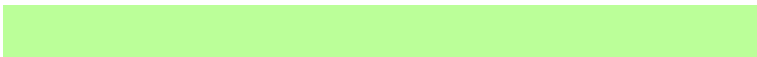
The Sweet Spot groups the original color and five complimentary colors.



61.9488, 83.5131, 81.2626



83.0756, 94.0117, 99.9940



62.0040, 84.3850, 43.1582



17.5261, 19.9948, 21.2022



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

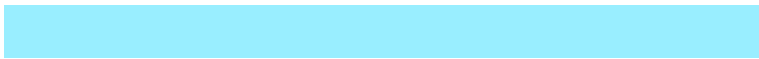
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.9488, 83.5131, 81.2626



57.5332, 81.3394, 76.4209



61.7621, 75.1419, 105.8564



18.2823, 20.3725, 21.7898



22.5489, 38.9162, 26.5737



2.2463, 3.8094, 2.8547

Inverse Universe

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



61.6014, 47.6313, 52.9612



57.1543, 40.9583, 44.6311



61.3652, 52.3103, 37.0008



18.2591, 18.0869, 19.9815



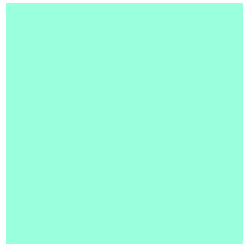
22.4670, 11.4761, 5.8439



2.2358, 1.1367, 0.8232

Previews

White Background



This preview shows how the XYZ color 61.9480, 83.5128, 81.2612 looks on a white background.

Color Contrast Check

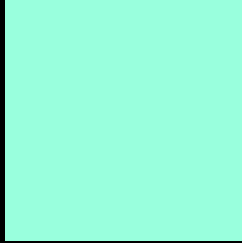
Large Text (above 18pt) WCAG AA × Fail

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 61.9480, 83.5128, 81.2612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

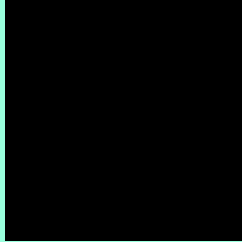
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.9480, 83.5128, 81.2612

Background



This preview shows how black text looks on a background with the XYZ color 61.9480, 83.5128, 81.2612.

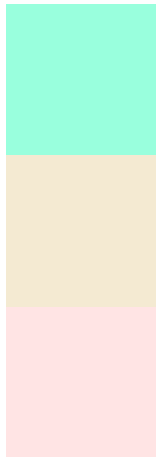


This preview shows how white text looks on a background with the XYZ color 61.9480, 83.5128,

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

61.9480, 83.5128, 81.2612

Protanopia

78.3639, 82.7319, 72.8114

Deuteranopia

82.9870, 82.3482, 84.9197



Tritanopia

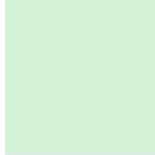
73.1265, 83.1915, 106.8111

Trichromacy



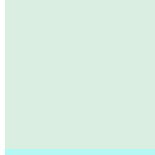
Original Color

61.9480, 83.5128, 81.2612



Protanomaly

70.7537, 82.2082, 75.7570



Deuteranomaly

73.0786, 81.4907, 83.1118



Tritanomaly

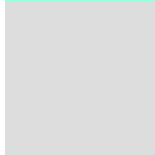
68.4945, 82.8164, 97.1691

Monochromacy



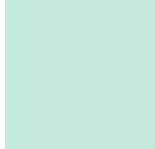
Original Color

61.9480, 83.5128, 81.2612



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

64.9550, 75.2340, 79.5047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.9480, 83.5128, 81.2612 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 61.9480, 83.5128, 81.2612 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, 221) }
```


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

```
.border{ border-color:rgb(153, 255, 221) }
```

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, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 61.9480, 83.5128, 81.2612 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, 221) }
```

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

```
.background{ background-color: rgb(153,  
255, 221) }
```

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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