

Converting Colors

XYZ(70.2456, 100.0000,
88.8723)

Have a look what the booklet for
XYZ(70.2456, 100.0000, 88.8723)
contains.

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Color

**XYZ(61.9763, 83.4173,
86.2334)**

Conversions

Conversions Part 1

Format	Color
Hex	94FFE4
RGB	148, 255, 228
RGB Percent	58%, 100%, 89%
CMY	0.4196, 0.0000, 0.1059
CMYK	0.42, 0.00, 0.11, 0.00
HSL	165°, 100%, 79%
HSV	165°, 42%, 100%
XYZ	61.9763, 83.4173, 86.2334
YIQ	219.9290, -55.1050, -31.0810

Conversions

Conversions Part 2

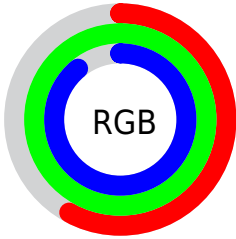
Format	Color
RYB	148, 209, 255
Decimal	9764836
CIELab	93.20, -37.10, 3.23
CIElCh	93, 37.240, 175.025
Yxy	83.4173, 0.2676, 0.3601
Android (android.graphics.Color)	4287954916 (0xFF94FFE4)
YUV	219.9290, 3.9790, -63.0817
Hunter-Lab	91.3331, -38.7073, 7.9537

Details

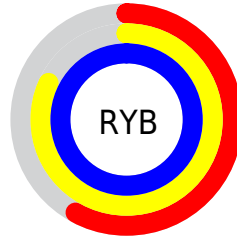
The XYZ color **61.9763, 83.4173, 86.2334** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.5685, 45.5361, 46.2080**, and the grayscale version is **67.9787, 71.5189, 77.8841**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **31.9534, 45.5790, 46.6487** is the 20% darker color. If you saturate the color by 10%, you get **56.9844, 80.9452, 81.4243**, and if you desaturate by 10%, it is **68.0192, 86.4274, 91.2680**.

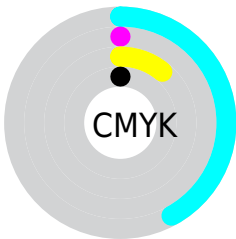
Distribution



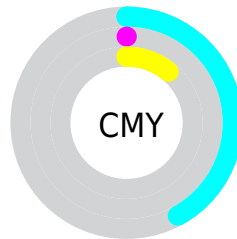
- Red (58%)
- Green (100%)
- Blue (89%)



- Red (58%)
- Yellow (82%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.9763, 83.4173, 86.2334 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 61.9763, 83.4173, 86.2334 by changing the saturation by 10% instead.


 61.9763, 83.4173,
86.2334


 61.9763, 83.4173,
86.2334


421.5636,
506.3762, 535.9512

 45.2691, 62.5345,
64.3050

 106.7814,
138.1598, 143.9846

 31.8716, 45.4647,
46.4500


 135.6100,
172.7882, 180.6444

 21.4185, 31.8236,
32.2498


169.2098,
212.7673, 223.0518

 13.5445, 21.2268,
21.2860

207.9461,
258.4814, 271.6253

 7.8841, 13.2899,
13.1399

252.1842,
310.3150, 326.7835

 4.0721, 7.6285,
7.3931

302.2896,

 1.7430, 3.8581,

368.6523, 388.9448

3.6270

358.6276,
433.8780, 458.5278

■ 0.4829, 1.5945,
1.4230

■ 0.0000, 0.3539,
0.1596

■ 61.9763, 83.4173,
86.2334

■ 61.9763, 83.4173,
86.2334

■ 56.9844, 80.9452,
81.4243

■ 68.0192, 86.4274,
91.2680

■ 52.9730, 78.9747,
76.8314

■ 75.1720, 90.0057,
96.5286

■ 49.8670, 77.4673,
72.4507

■ 83.4924, 94.1821,
102.0210

■ 47.5789, 76.3777,
68.2762

■ 93.0332, 98.9837,
107.7495

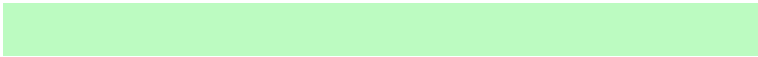
■ 46.0033, 75.6518, 95.0500, 100.0000,
64.3009 108.9000

■ 45.1262, 75.2665,
61.2418

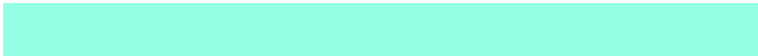
Harmonies

Analogous

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



64.8432, 83.4173, 63.3034



61.9763, 83.4173, 86.2334



63.4265, 83.4173, 115.5876

Triad

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



61.9763, 83.4173, 86.2334



87.5160, 83.4173, 148.9401



90.5697, 83.4173, 53.4351

Complementary

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



61.9763, 83.4173, 86.2334



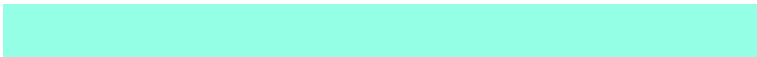
59.5685, 45.5361, 46.2080

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.



97.5898, 83.4173, 69.8823



61.9763, 83.4173, 86.2334



95.7275, 83.4173, 125.3567

Square

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



61.9763, 83.4173, 86.2334



77.6649, 83.4173, 155.7965



99.5505, 83.4173, 95.5814



80.9287, 83.4173, 47.0192

Rectangle

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



61.9763, 83.4173, 86.2334



66.7143, 83.4173, 134.5388



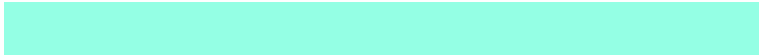
99.5505, 83.4173, 95.5814



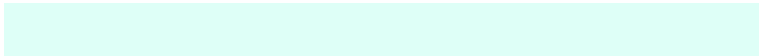
93.3446, 83.4173, 57.7859

Sweetspot

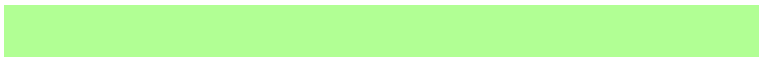
The Sweet Spot groups the original color and five complimentary colors.



61.9772, 83.4178, 86.2348



82.5705, 93.7188, 101.4386



59.1315, 82.9509, 40.9130



17.2643, 19.8541, 21.4494



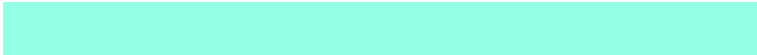
0.0000, 0.0000, 0.0000



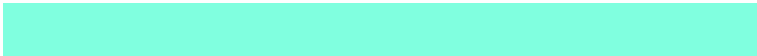
20.3446, 21.4041, 23.3091

Same Dimension

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



61.9772, 83.4178, 86.2348



57.8832, 81.3890, 82.3496



58.5697, 70.1289, 105.0570



18.3475, 20.3985, 22.1330



23.6427, 39.3537, 32.3335



2.3459, 3.8493, 3.3794

Inverse Universe

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



59.5685, 45.5361, 46.2080



55.2106, 39.0948, 37.7435



61.5233, 53.2736, 35.0586



18.1974, 18.0623, 19.6566



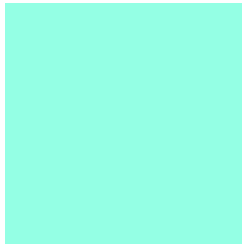
22.0876, 11.3243, 3.8459



2.1923, 1.1193, 0.5941

Previews

White Background



This preview shows how the XYZ color 61.9763, 83.4173, 86.2334 looks on a white background.

Color Contrast Check

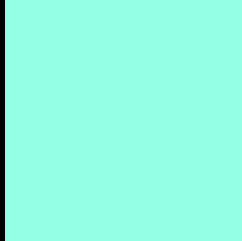
Large Text (above 18pt) WCAG AA × Fail

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 61.9763, 83.4173, 86.2334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

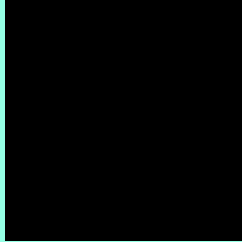
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.9763, 83.4173, 86.2334

Background



This preview shows how black text looks on a background with the XYZ color 61.9763, 83.4173, 86.2334.

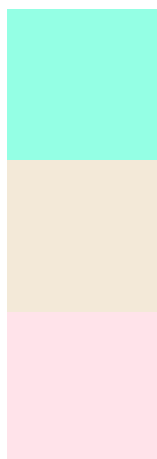


This preview shows how white text looks on a background with the XYZ color 61.9763, 83.4173,

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

61.9763, 83.4173, 86.2334

Protanopia

78.4957, 82.2904, 76.7122

Deuteranopia

83.5604, 82.1387, 89.2921



Tritanopia

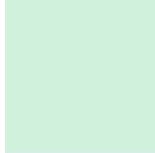
72.6063, 82.9233, 106.7868

Trichromacy



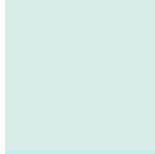
Original Color

61.9763, 83.4173, 86.2334



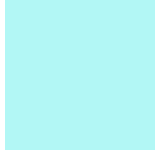
Protanomaly

70.3860, 81.4878, 79.7291



Deuteranomaly

73.1686, 80.9935, 88.1208



Tritanomaly

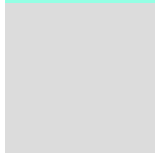
68.1023, 82.5791, 98.7362

Monochromacy



Original Color

61.9763, 83.4173, 86.2334



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.7063, 75.0749, 80.8926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.9763, 83.4173, 86.2334 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(148, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 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(148, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 61.9763, 83.4173, 86.2334 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(148, 255, 228) }
```


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

```
.border{ border-color:rgb(148, 255, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 61.9763, 83.4173, 86.2334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 228) }
```

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

```
.background{ background-color: rgb(148,  
255, 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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