

Converting Colors

XYZ(69.8946, 100.0000,
69.2767)

Have a look what the booklet for
XYZ(69.8946, 100.0000, 69.2767)
contains.

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Color

**XYZ(61.6789, 83.7042,
66.3318)**

Conversions

Conversions Part 1

Format	Color
Hex	A6FFC6
RGB	166, 255, 198
RGB Percent	65%, 100%, 78%
CMY	0.3490, 0.0000, 0.2235
CMYK	0.35, 0.00, 0.22, 0.00
HSL	142°, 100%, 83%
HSV	142°, 35%, 100%
XYZ	61.6789, 83.7042, 66.3318
YIQ	221.8910, -34.7470, -36.5950

Conversions

Conversions Part 2

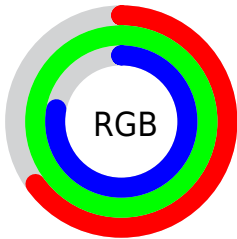
Format	Color
RYB	166, 231, 255
Decimal	10944454
CIELab	93.32, -38.33, 18.94
CIElCh	93, 42.758, 153.705
Yxy	83.7042, 0.2913, 0.3954
Android (android.graphics.Color)	4289134534 (0xFFA6FFC6)
YUV	221.8910, -11.7783, -49.0164
Hunter-Lab	91.4900, -39.7699, 21.0567

Details

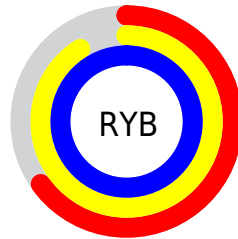
The XYZ color **61.6789, 83.7042, 66.3318** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.1958, 53.8608, 76.6136**, and the grayscale version is **69.4520, 73.0689, 79.5721**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **31.7837, 45.7813, 33.5471** is the 20% darker color. If you saturate the color by 10%, you get **55.0695, 80.5030, 56.7141**, and if you desaturate by 10%, it is **69.5525, 87.5336, 77.0717**.

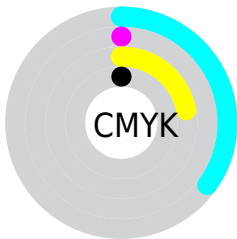
Distribution



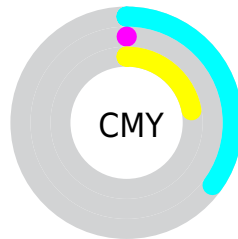
- Red (65%)
- Green (100%)
- Blue (78%)



- Red (65%)
- Yellow (91%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.6789, 83.7042, 66.3318 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 61.6789, 83.7042, 66.3318 by changing the saturation by 10% instead.


 61.6789, 83.7042,
66.3318


 61.6789, 83.7042,
66.3318

420.4951,
507.3304, 465.9991

 45.0279, 62.7712,
48.0836

 106.3539,
138.5613, 115.5940

 31.6808, 45.6562,
33.5326


 135.1086,
173.2543, 147.4450

 21.2722, 31.9746,
22.2603


168.6286,
213.3027, 184.6675

 13.4367, 21.3421,
13.8482

207.2792,
259.0910, 227.6798

 7.8090, 13.3743,
7.8776

251.4258,
311.0035, 276.9006

 4.0237, 7.6868,
3.9301

301.4337,

 1.7156, 3.8952,

369.4246, 332.7484

1.5871

357.6684,
434.7388, 395.6417

0.4660, 1.6151,
0.2816

0.0000, 0.3678,
0.0000

61.6789, 83.7042,
66.3318

61.6789, 83.7042,
66.3318

55.0695, 80.5030,
56.7141

69.5525, 87.5336,
77.0717

49.6530, 77.8940,
48.1778

78.7523, 92.0226,
88.9646

45.3537, 75.8390,
40.6854

89.3383, 97.2013,
102.0453

42.0859, 74.2946,
34.1958

95.0500, 100.0000,
108.9000

■ 39.7505, 73.2107,
28.6649

■ 38.2270, 72.5260,
24.0446

■ 37.6782, 72.2873,
22.0210

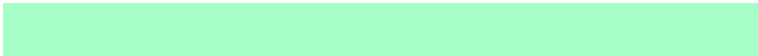
Harmonies

Analogous

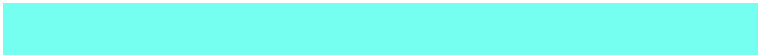
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1355, 83.7042, 48.6661



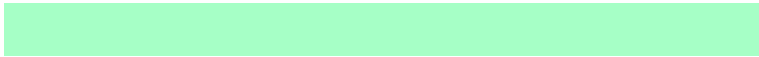
61.6789, 83.7042, 66.3318



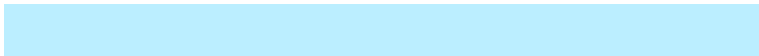
59.8444, 83.7042, 95.2064

Triad

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



61.6789, 83.7042, 66.3318



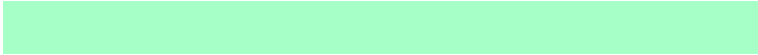
80.9659, 83.7042, 168.1029



98.9693, 83.7042, 60.8723

Complementary

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



61.6789, 83.7042, 66.3318



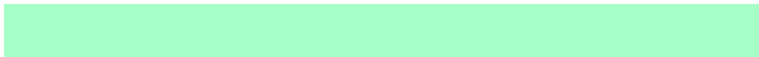
68.1958, 53.8608, 76.6136

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.



103.1862, 83.7042, 87.1904



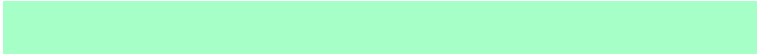
61.6789, 83.7042, 66.3318



92.1914, 83.7042, 153.0881

Square

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



61.6789, 83.7042, 66.3318



70.3448, 83.7042, 158.8214



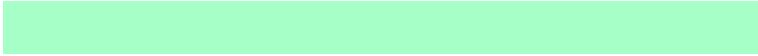
100.5967, 83.7042, 121.4699



89.5432, 83.7042, 46.0756

Rectangle

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



61.6789, 83.7042, 66.3318



61.3304, 83.7042, 118.4181



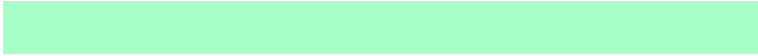
100.5967, 83.7042, 121.4699



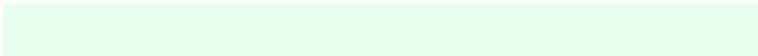
101.0813, 83.7042, 68.4093

Sweetspot

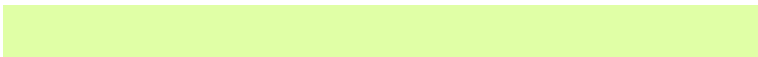
The Sweet Spot groups the original color and five complimentary colors.



61.6796, 83.7045, 66.3332



83.7640, 94.4728, 95.2253



73.3373, 90.0967, 49.6024



17.6140, 20.0670, 19.9916



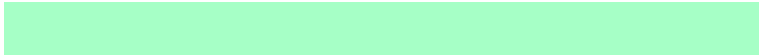
0.0000, 0.0000, 0.0000



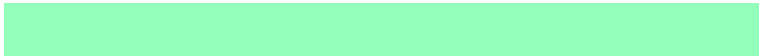
20.3446, 21.4041, 23.3091

Same Dimension

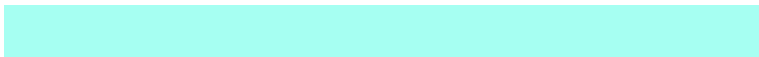
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.6796, 83.7045, 66.3332



56.8612, 81.3692, 59.3917



67.4608, 86.0170, 96.7766



18.0414, 20.2761, 20.5210



19.7523, 37.7975, 11.8469



1.9732, 3.7002, 1.4167

Inverse Universe

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



68.1958, 53.8608, 76.6136



64.2725, 47.3917, 71.0589



63.0488, 51.8020, 49.5102



18.4992, 18.1830, 21.2458



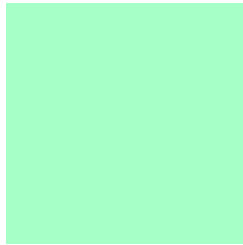
25.0917, 12.5260, 19.6651



2.4954, 1.2405, 2.1900

Previews

White Background



This preview shows how the XYZ color 61.6789, 83.7042, 66.3318 looks on a white background.

Color Contrast Check

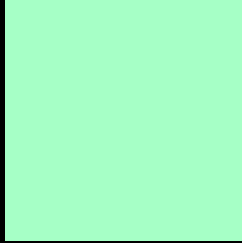
Large Text (above 18pt) WCAG AA × Fail

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 61.6789, 83.7042, 66.3318 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

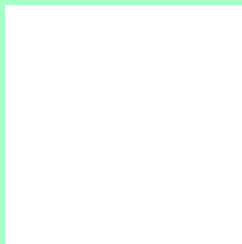
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.6789, 83.7042, 66.3318

Background



This preview shows how black text looks on a background with the XYZ color 61.6789, 83.7042, 66.3318.

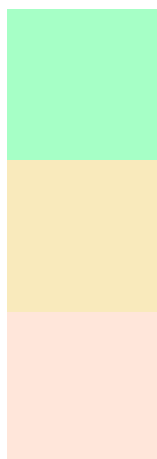


This preview shows how white text looks on a background with the XYZ color 61.6789, 83.7042,

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

61.6789, 83.7042, 66.3318

Protanopia

77.5668, 82.6162, 59.4353

Deuteranopia

82.1917, 82.9156, 78.0020



Tritanopia

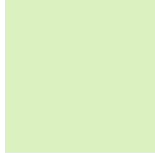
74.1593, 83.2808, 106.7739

Trichromacy



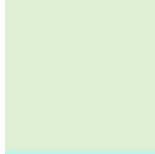
Original Color

61.6789, 83.7042, 66.3318



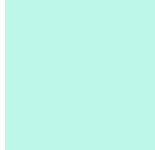
Protanomaly

70.4800, 82.3701, 62.0535



Deuteranomaly

73.0558, 82.1241, 73.6291



Tritanomaly

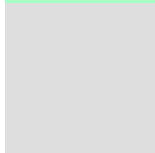
69.0983, 83.2809, 90.2748

Monochromacy



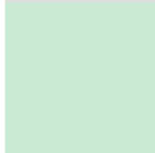
Original Color

61.6789, 83.7042, 66.3318



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

65.7902, 76.2063, 74.1926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.6789, 83.7042, 66.3318 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(166, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 198)  
}
```

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(166, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 198) }
```

Border

The CSS property to change the border of an element to XYZ 61.6789, 83.7042, 66.3318 is called "border". The border property can be set on classes, ids or directly on the HTML element.

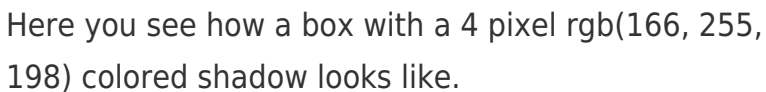
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 255, 198) }
```


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

```
.border{ border-color:rgb(166, 255, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 255, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 255, 198); box-shadow:4px 4px 4px 4px rgb(166, 255, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 61.6789, 83.7042, 66.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 198) }
```

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

```
.background{ background-color: rgb(166,  
255, 198) }
```

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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