

Converting Colors

XYZ(98.1209, 156.6009,
80.6376)

Have a look what the booklet for
XYZ(98.1209, 156.6009, 80.6376)
contains.

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Color

**XYZ(61.7305, 83.6768,
68.7748)**

Conversions

Conversions Part 1

Format	Color
Hex	A4FFCA
RGB	164, 255, 202
RGB Percent	64%, 100%, 79%
CMY	0.3569, 0.0000, 0.2078
CMYK	0.36, 0.00, 0.21, 0.00
HSL	145°, 100%, 82%
HSV	145°, 36%, 100%
XYZ	61.7305, 83.6768, 68.7748
YIQ	221.7490, -37.2230, -35.7750

Conversions

Conversions Part 2

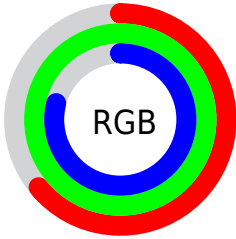
Format	Color
RYB	164, 228, 255
Decimal	10813386
CIELab	93.31, -38.16, 16.86
CIElCh	93, 41.721, 156.158
Yxy	83.6768, 0.2882, 0.3907
Android (android.graphics.Color)	4289003466 (0xFFA4FFCA)
YUV	221.7490, -9.7363, -50.6459
Hunter-Lab	91.4750, -39.6233, 19.4558

Details

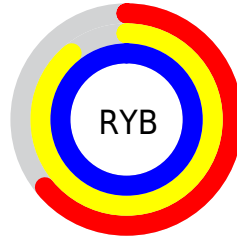
The XYZ color **61.7305, 83.6768, 68.7748** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67.0402, 52.8214, 72.3077**, and the grayscale version is **69.3391, 72.9502, 79.4427**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **31.7237, 45.7144, 35.1687** is the 20% darker color. If you saturate the color by 10%, you get **55.3103, 80.5605, 59.7330**, and if you desaturate by 10%, it is **69.3764, 87.4053, 78.7602**.

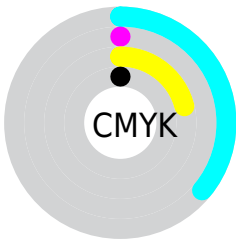
Distribution



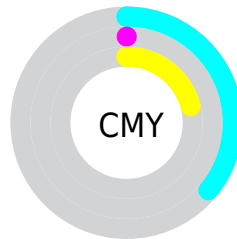
- Red (64%)
- Green (100%)
- Blue (79%)



- Red (64%)
- Yellow (89%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.7305, 83.6768, 68.7748 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 61.7305, 83.6768, 68.7748 by changing the saturation by 10% instead.


 61.7305, 83.6768,
68.7748


 61.7305, 83.6768,
68.7748


420.6806,
507.2394, 474.9087

 45.0697, 62.7486,
50.0577


 106.4281,
138.5230, 119.1245

 31.7139, 45.6379,
35.0878


 135.1956,
173.2098, 151.5943

 21.2975, 31.9602,
23.4464


168.7294,
213.2516, 189.4853

 13.4554, 21.3311,
14.7151

207.3949,
259.0328, 233.2161

 7.8220, 13.3662,
8.4753

251.5574,
310.9377, 283.2054

 4.0321, 7.6812,
4.3084

301.5823,

 1.7203, 3.8916,

369.3509, 339.8715

1.7960

357.8349,
434.6566, 403.6331

■ 0.4689, 1.6131,
0.4253

■ 0.0000, 0.3664,
0.0000

■ 61.7305, 83.6768,
68.7748

■ 61.7305, 83.6768,
68.7748

■ 55.3103, 80.5605,
59.7330

■ 69.3764, 87.4053,
78.7602

■ 50.0455, 78.0209,
51.6025

■ 78.3085, 91.7768,
89.7117

■ 45.8617, 76.0201,
44.3554

■ 88.5859, 96.8213,
101.6565

■ 42.6741, 74.5152,
37.9604

95.0500, 100.0000,
108.9000

■ 40.3847, 73.4560,
32.3842

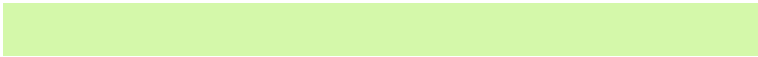
■ 38.8727, 72.7810,
27.5908

■ 38.3869, 72.5708,
25.7530

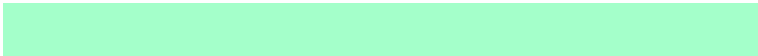
Harmonies

Analogous

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



67.7066, 83.6768, 50.4677



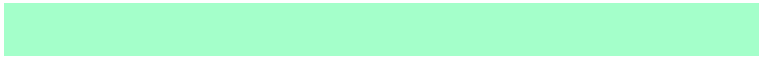
61.7305, 83.6768, 68.7748



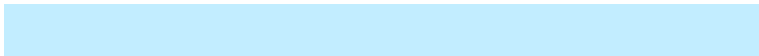
60.3216, 83.6768, 97.7559

Triad

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



61.7305, 83.6768, 68.7748



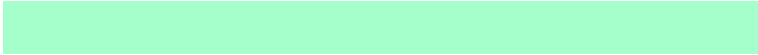
81.8203, 83.6768, 165.4809



97.8393, 83.6768, 59.8692

Complementary

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



61.7305, 83.6768, 68.7748



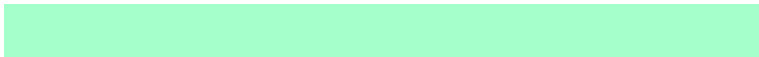
67.0402, 52.8214, 72.3077

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.



102.4416, 83.6768, 84.7720



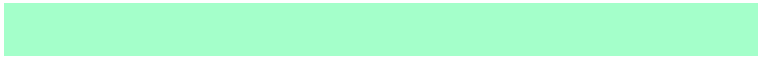
61.7305, 83.6768, 68.7748



92.6605, 83.6768, 149.2158

Square

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



61.7305, 83.6768, 68.7748



71.2942, 83.6768, 158.4170



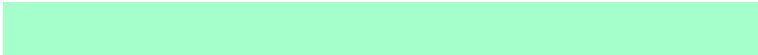
100.4644, 83.6768, 117.8220



88.3818, 83.6768, 46.2153

Rectangle

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



61.7305, 83.6768, 68.7748



62.0358, 83.6768, 120.4726



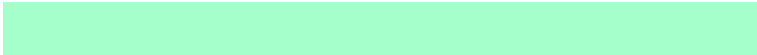
100.4644, 83.6768, 117.8220



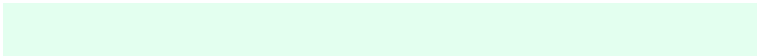
100.0433, 83.6768, 66.9536

Sweetspot

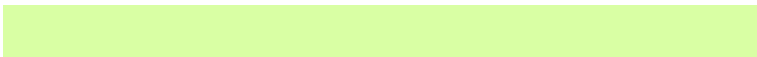
The Sweet Spot groups the original color and five complimentary colors.



61.7312, 83.6771, 68.7762



82.9531, 94.0549, 95.1833



71.1013, 88.9650, 48.5474



17.4611, 19.9872, 20.0294



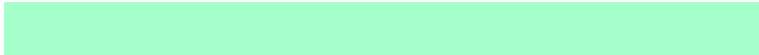
0.0000, 0.0000, 0.0000



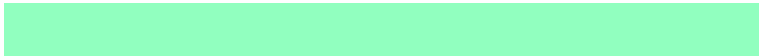
20.3446, 21.4041, 23.3091

Same Dimension

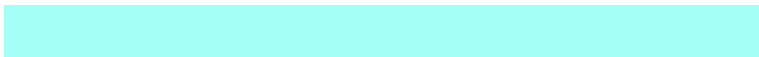
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.7312, 83.6771, 68.7762



56.9181, 81.3393, 62.0707



67.9232, 86.1539, 101.3828



18.0862, 20.2940, 20.7568



20.1283, 37.9479, 13.8270



2.0128, 3.7160, 1.6253

Inverse Universe

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



67.0402, 52.8214, 72.3077



62.9537, 46.2318, 66.0642



61.9224, 50.7743, 45.3579



18.4531, 18.1645, 21.0030



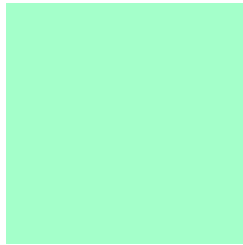
24.4393, 12.2650, 16.2297



2.4341, 1.2160, 1.8673

Previews

White Background



This preview shows how the XYZ color 61.7305, 83.6768, 68.7748 looks on a white background.

Color Contrast Check

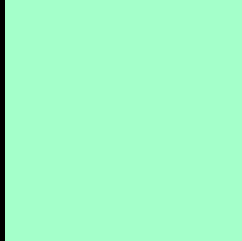
Large Text (above 18pt) WCAG AA × Fail

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 61.7305, 83.6768, 68.7748 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 61.7305, 83.6768, 68.7748

Background



This preview shows how black text looks on a background with the XYZ color 61.7305, 83.6768, 68.7748.

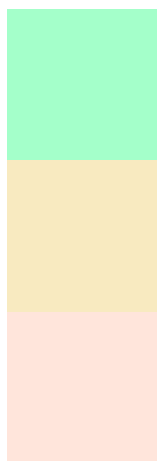


This preview shows how white text looks on a background with the XYZ color 61.7305, 83.6768,

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

61.7305, 83.6768, 68.7748

Protanopia

77.6486, 82.6079, 61.7216

Deuteranopia

82.0455, 82.4131, 78.6009



Tritanopia

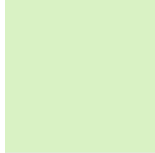
73.8895, 83.1418, 106.7613

Trichromacy



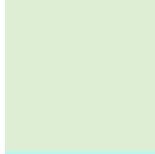
Original Color

61.7305, 83.6768, 68.7748



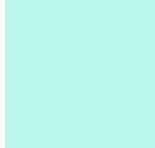
Protanomaly

70.3312, 82.2415, 64.3919



Deuteranomaly

72.7090, 81.4828, 74.8464



Tritanomaly

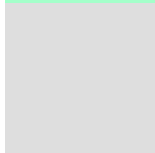
69.1401, 83.2690, 91.7853

Monochromacy



Original Color

61.7305, 83.6768, 68.7748



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

65.7760, 76.1694, 75.5254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.7305, 83.6768, 68.7748 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(164, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 202)  
}
```

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(164, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 61.7305, 83.6768, 68.7748 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(164, 255, 202) }
```


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

```
.border{ border-color:rgb(164, 255, 202) }
```

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

Here you see how a box with a 4 pixel rgb(164, 255, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 61.7305, 83.6768, 68.7748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 202) }
```

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

```
.background{ background-color: rgb(164,  
255, 202) }
```

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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