

Converting Colors

XYZ(61.4069, 83.5236, 68.1435)

Have a look what the booklet for
XYZ(61.4069, 83.5236, 68.1435)
contains.

XYZ(61.4069, 83.5236, 68.1435)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(61.4069, 83.5236,
68.1435)**

Conversions

Conversions Part 1

Format	Color
Hex	A3FFC9
RGB	163, 255, 201
RGB Percent	64%, 100%, 79%
CMY	0.3608, 0.0000, 0.2118
CMYK	0.36, 0.00, 0.21, 0.00
HSL	145°, 100%, 82%
HSV	145°, 36%, 100%
XYZ	61.4069, 83.5236, 68.1435
YIQ	221.3360, -37.4980, -36.2980

Conversions

Conversions Part 2

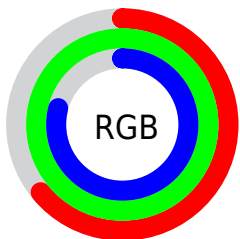
Format	Color
RYB	163, 228, 255
Decimal	10747849
CIELab	93.24, -38.63, 17.28
CIELCh	93, 42.318, 155.906
Yxy	83.5236, 0.2882, 0.3920
Android (android.graphics.Color)	4288937929 (0xFFA3FFC9)
YUV	221.3360, -10.0256, -51.1607
Hunter-Lab	91.3912, -39.9983, 19.7658

Details

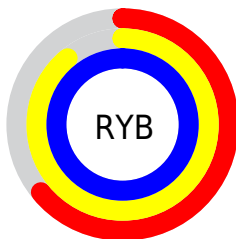
The XYZ color **61.4069, 83.5236, 68.1435** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.8620, 52.4649, 72.2485**, and the grayscale version is **69.0503, 72.6463, 79.1118**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **31.5239, 45.6206, 34.7479** is the 20% darker color. If you saturate the color by 10%, you get **55.0257, 80.4276, 59.0978**, and if you desaturate by 10%, it is **69.0137, 87.2315, 78.1449**.

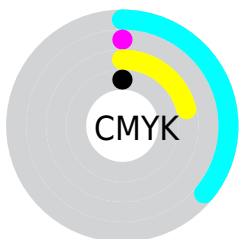
Distribution



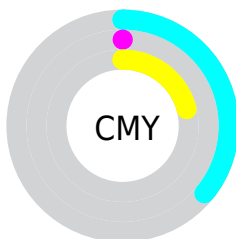
- Red (64%)
- Green (100%)
- Blue (79%)



- 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 61.4069, 83.5236, 68.1435 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 61.4069, 83.5236, 68.1435 by changing the saturation by 10% instead.


 61.4069, 83.5236,
68.1435


 61.4069, 83.5236,
68.1435


419.5165,
506.7299, 472.6161

 44.8074, 62.6222,
49.5471


 105.9627,
138.3086, 118.2136

 31.5064, 45.5356,
34.6850


 134.6496,
172.9609, 150.5243

 21.1385, 31.8795,
23.1387

168.0965,
212.9657, 188.2435

 13.3383, 21.2695,
14.4897

206.6686,
258.7073, 231.7898

 7.7405, 13.3211,
8.3194

250.7313,
310.5701, 281.5816

 3.9798, 7.6501,
4.2093

300.6499,

 1.6907, 3.8719,

368.9386, 338.0376

1.7409

356.7899,
434.1970, 401.5763

■ 0.4504, 1.6021,
0.3885

■ 0.0000, 0.3590,
0.0000

■ 61.4069, 83.5236,
68.1435

■ 61.4069, 83.5236,
68.1435

■ 55.0257, 80.4276,
59.0978

■ 69.0137, 87.2315,
78.1449

■ 49.7995, 77.9078,
50.9750

■ 77.9070, 91.5824,
89.1253

■ 45.6534, 75.9261,
43.7462

■ 88.1462, 96.6062,
101.1123

■ 42.5023, 74.4392,
37.3795

95.0500, 100.0000,
108.9000

■ 40.2469, 73.3968,
31.8407

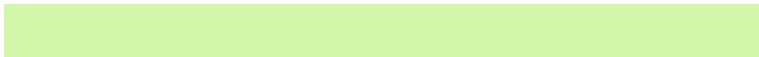
■ 38.7654, 72.7366,
27.0929

■ 38.3267, 72.5467,
25.4361

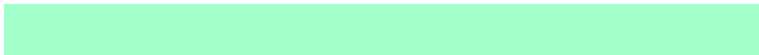
Harmonies

Analogous

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



67.4844, 83.5236, 49.7796



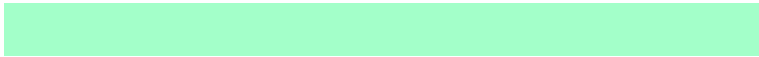
61.4069, 83.5236, 68.1435



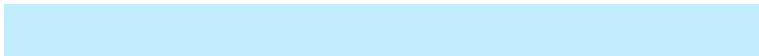
59.9430, 83.5236, 97.3970

Triad

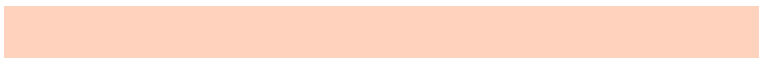
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



61.4069, 83.5236, 68.1435



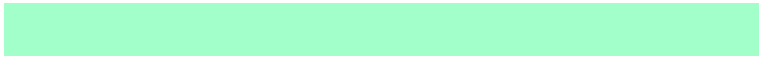
81.6093, 83.5236, 166.5582



98.0160, 83.5236, 59.5229

Complementary

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



61.4069, 83.5236, 68.1435



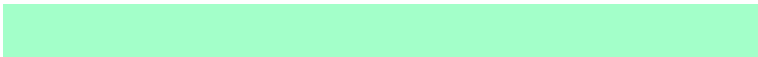
66.8620, 52.4649, 72.2485

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.



102.6368, 83.5236, 84.7806



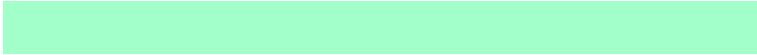
61.4069, 83.5236, 68.1435



92.6121, 83.5236, 150.1779

Square

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



61.4069, 83.5236, 68.1435



70.9655, 83.5236, 159.1629



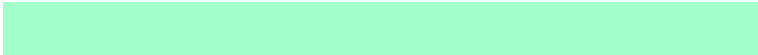
100.5724, 83.5236, 118.3332



88.4491, 83.5236, 45.6774

Rectangle

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



61.4069, 83.5236, 68.1435



61.6482, 83.5236, 120.4386



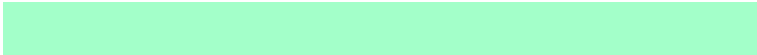
100.5724, 83.5236, 118.3332



100.2380, 83.5236, 66.7050

Sweetspot

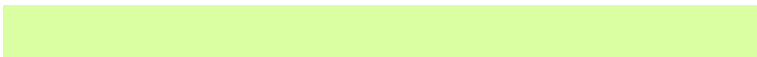
The Sweet Spot groups the original color and five complimentary colors.



61.4076, 83.5239, 68.1449



82.9343, 94.0474, 95.0844



71.3446, 89.1008, 48.0893



17.4567, 19.9854, 20.0059



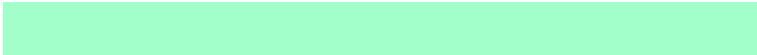
0.0000, 0.0000, 0.0000



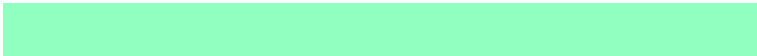
20.3446, 21.4041, 23.3091

Same Dimension

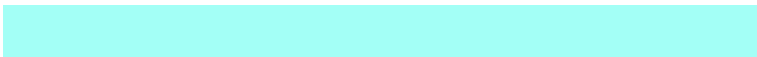
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.4076, 83.5239, 68.1449



56.8633, 81.3174, 61.7823



67.4686, 85.9483, 100.0618



18.0827, 20.2926, 20.7383



20.0965, 37.9352, 13.6595



2.0095, 3.7147, 1.6080

Inverse Universe

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



66.8620, 52.4649, 72.2485



63.0156, 46.2566, 66.3899



61.8034, 50.4415, 45.6103



18.4567, 18.1660, 21.0219



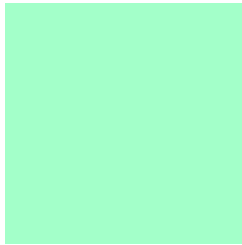
24.4876, 12.2843, 16.4839



2.4387, 1.2178, 1.8914

Previews

White Background



This preview shows how the XYZ color 61.4069, 83.5236, 68.1435 looks on a white background.

Color Contrast Check

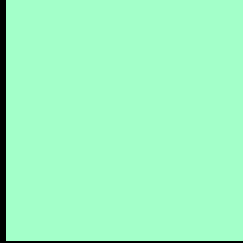
Large Text (above 18pt) WCAG AA × Fail

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 61.4069, 83.5236, 68.1435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

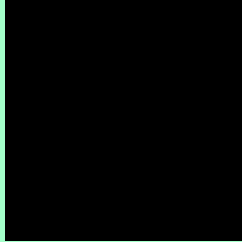
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.4069, 83.5236, 68.1435

Background



This preview shows how black text looks on a background with the XYZ color 61.4069, 83.5236, 68.1435.



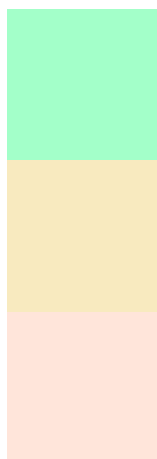
This preview shows how white text looks on a background with the XYZ color 61.4069, 83.5236,

68.1435.

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

61.4069, 83.5236, 68.1435

Protanopia

77.5382, 82.5637, 61.1399

Deuteranopia

81.9142, 82.3606, 77.9095



Tritanopia

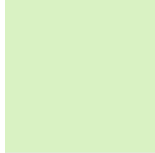
73.6215, 83.0036, 106.7488

Trichromacy



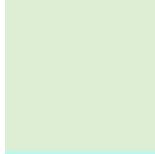
Original Color

61.4069, 83.5236, 68.1435



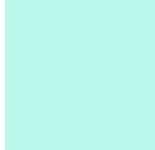
Protanomaly

70.2177, 82.1961, 63.7943



Deuteranomaly

72.5824, 81.4321, 74.1798



Tritanomaly

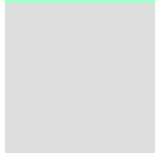
68.7497, 83.0845, 91.0107

Monochromacy



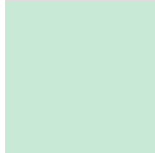
Original Color

61.4069, 83.5236, 68.1435



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.0959, 75.4122, 74.7434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.4069, 83.5236, 68.1435 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(163, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 201)  
}
```

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(163, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 61.4069, 83.5236, 68.1435 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(163, 255, 201) }
```


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

```
.border{ border-color:rgb(163, 255, 201) }
```

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

Here you see how a box with a 4 pixel rgb(163, 255, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 61.4069, 83.5236, 68.1435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 201) }
```

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

```
.background{ background-color: rgb(163,  
255, 201) }
```

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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