

Converting Colors

XYZ(62.6411, 84.0830, 71.6716)

Have a look what the booklet for
XYZ(62.6411, 84.0830, 71.6716)
contains.

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Color

**XYZ(62.7484, 84.1320,
71.9634)**

Conversions

Conversions Part 1

Format	Color
Hex	A6FFCF
RGB	166, 255, 207
RGB Percent	65%, 100%, 81%
CMY	0.3490, 0.0000, 0.1882
CMYK	0.35, 0.00, 0.19, 0.00
HSL	148°, 100%, 83%
HSV	148°, 35%, 100%
XYZ	62.7484, 84.1320, 71.9634
YIQ	222.9170, -37.6360, -33.7960

Conversions

Conversions Part 2

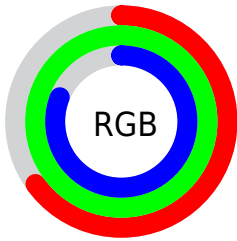
Format	Color
RYB	166, 227, 255
Decimal	10944463
CIELab	93.51, -36.65, 14.59
CIElCh	94, 39.446, 158.286
Yxy	84.1320, 0.2867, 0.3844
Android (android.graphics.Color)	4289134543 (0xFFA6FFCF)
YUV	222.9170, -7.8471, -49.9162
Hunter-Lab	91.7235, -38.4036, 17.6894

Details

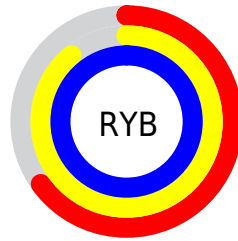
The XYZ color **62.7484, 84.1320, 71.9634** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67.0143, 53.3883, 70.3914**, and the grayscale version is **70.1533, 73.8067, 80.3755**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **32.4994, 46.0676, 37.3160** is the 20% darker color. If you saturate the color by 10%, you get **56.3136, 81.0006, 63.2648**, and if you desaturate by 10%, it is **70.3909, 87.8690, 81.4858**.

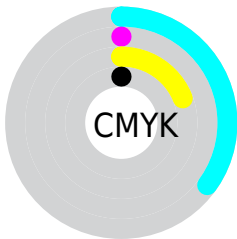
Distribution



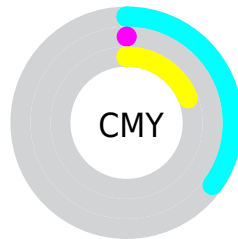
- Red (65%)
- Green (100%)
- Blue (81%)



- Red (65%)
- Yellow (89%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.7484, 84.1320, 71.9634 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 62.7484, 84.1320, 71.9634 by changing the saturation by 10% instead.

 62.7484, 84.1320,
71.9634


 62.7484, 84.1320,
71.9634


424.3300,
508.7515, 486.3883

 45.8956, 63.1244,
52.6421


 107.8903,
139.1598, 123.7117

 32.3677, 45.9419,
37.1314


 136.9101,
173.9488, 156.9759

 21.7994, 32.2000,
25.0127


170.7162,
214.1005, 195.7247

 13.8254, 21.5143,
15.8674

209.6741,
259.9991, 240.3768

 8.0802, 13.5004,
9.2770

254.1491,
312.0291, 291.3506

 4.1985, 7.7740,
4.8230

304.5065,

 1.8151, 3.9507,

370.5749, 349.0648

2.0869

361.1117,
436.0209, 413.9379

■ 0.5267, 1.6460,
0.6079

■ 0.0000, 0.3883,
0.0000

■ 62.7484, 84.1320,
71.9634

■ 62.7484, 84.1320,
71.9634

■ 56.3136, 81.0006,
63.2648

■ 70.3909, 87.8690,
81.4858

■ 51.0176, 78.4398,
55.3633

■ 79.3003, 92.2418,
91.8494

■ 46.7877, 76.4126,
48.2367

■ 89.5343, 97.2797,
103.0763

■ 43.5413, 74.8768,
41.8601

95.0500, 100.0000,
108.9000

■ 41.1828, 73.7836,
36.2068

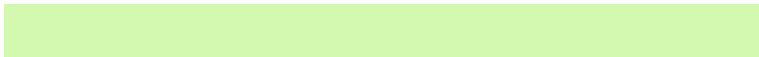
■ 39.5950, 73.0732,
31.2482

■ 38.9989, 72.8155,
28.9756

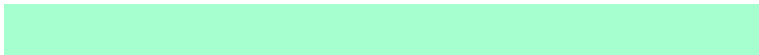
Harmonies

Analogous

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



68.1756, 84.1320, 53.5255



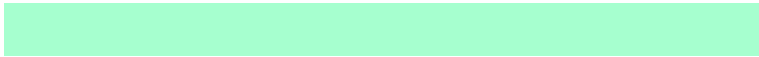
62.7484, 84.1320, 71.9634



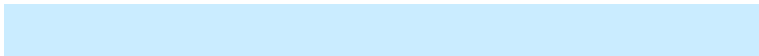
61.7219, 84.1320, 100.1319

Triad

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



62.7484, 84.1320, 71.9634



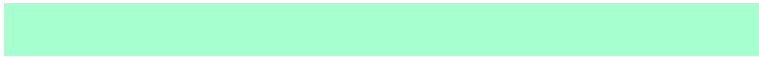
82.8892, 84.1320, 160.9764



96.7555, 84.1320, 60.4377

Complementary

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



62.7484, 84.1320, 71.9634



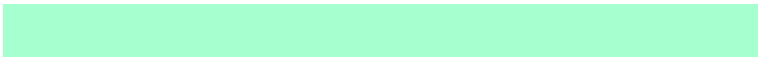
67.0143, 53.3883, 70.3914

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.



101.4890, 84.1320, 83.5773



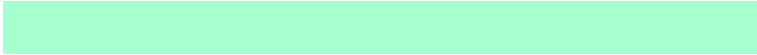
62.7484, 84.1320, 71.9634



93.0406, 84.1320, 144.4660

Square

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



62.7484, 84.1320, 71.9634



72.7749, 84.1320, 155.9697



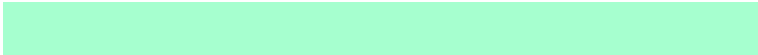
100.0736, 84.1320, 114.5312



87.6136, 84.1320, 47.9479

Rectangle

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



62.7484, 84.1320, 71.9634



63.5785, 84.1320, 121.5958



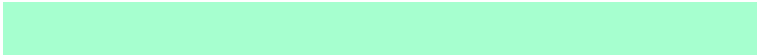
100.0736, 84.1320, 114.5312



98.9497, 84.1320, 67.0024

Sweetspot

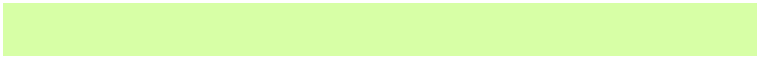
The Sweet Spot groups the original color and five complimentary colors.



62.7491, 84.1323, 71.9648



84.1471, 94.6261, 97.2426



70.6531, 88.7129, 49.4770



17.7064, 20.1040, 20.4783



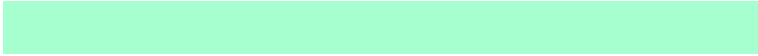
0.0000, 0.0000, 0.0000



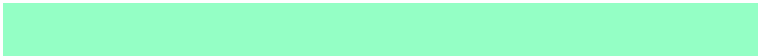
20.3446, 21.4041, 23.3091

Same Dimension

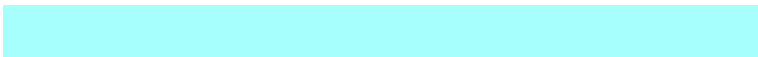
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.7491, 84.1323, 71.9648



58.0601, 81.8488, 65.7055



68.8281, 86.5639, 103.9763



18.1197, 20.3074, 20.9331



20.4512, 38.0771, 15.5272



2.0457, 3.7292, 1.7984

Inverse Universe

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



67.0143, 53.3883, 70.3914



62.9136, 46.8482, 63.9034



62.1752, 51.4527, 44.9093



18.4191, 18.1509, 20.8239



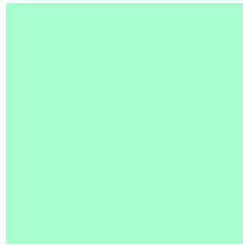
24.0042, 12.0910, 13.9386



2.3924, 1.1993, 1.6478

Previews

White Background



This preview shows how the XYZ color 62.7484, 84.1320, 71.9634 looks on a white background.

Color Contrast Check

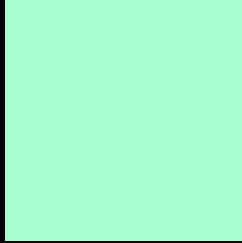
Large Text (above 18pt) WCAG AA × Fail

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 62.7484, 84.1320, 71.9634 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 62.7484, 84.1320, 71.9634

Background



This preview shows how black text looks on a background with the XYZ color 62.7484, 84.1320, 71.9634.



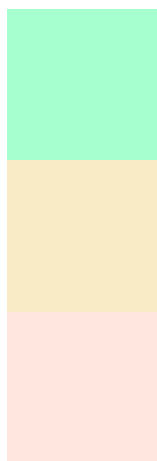
This preview shows how white text looks on a background with the XYZ color 62.7484, 84.1320,

71.9634.

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

62.7484, 84.1320, 71.9634

Protanopia

78.4978, 83.4043, 64.7847

Deuteranopia

82.7216, 83.1276, 80.7926



Tritanopia

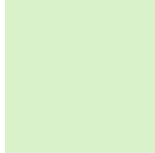
74.4307, 83.4208, 106.7866

Trichromacy



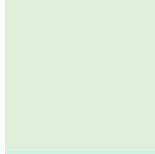
Original Color

62.7484, 84.1320, 71.9634



Protanomaly

71.2082, 82.6267, 67.4538



Deuteranomaly

73.8223, 82.4307, 77.6655



Tritanomaly

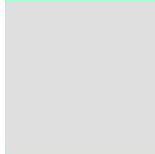
69.9286, 83.6417, 93.3478

Monochromacy



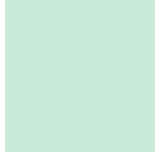
Original Color

62.7484, 84.1320, 71.9634



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.5898, 76.9830, 76.9952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7484, 84.1320, 71.9634 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 62.7484, 84.1320, 71.9634 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, 207) }
```


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

```
.border{ border-color:rgb(166, 255, 207) }
```

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, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7484, 84.1320, 71.9634 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, 207) }
```

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

```
.background{ background-color: rgb(166,  
255, 207) }
```

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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