

Converting Colors

XYZ(69.1718, 100.0000,
71.7332)

Have a look what the booklet for
XYZ(69.1718, 100.0000, 71.7332)
contains.

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Color

**XYZ(60.7187, 83.1552,
68.7275)**

Conversions

Conversions Part 1

Format	Color
Hex	9FFFCA
RGB	159, 255, 202
RGB Percent	62%, 100%, 79%
CMY	0.3765, 0.0000, 0.2078
CMYK	0.38, 0.00, 0.21, 0.00
HSL	147°, 100%, 81%
HSV	147°, 38%, 100%
XYZ	60.7187, 83.1552, 68.7275
YIQ	220.2540, -40.2030, -36.8350

Conversions

Conversions Part 2

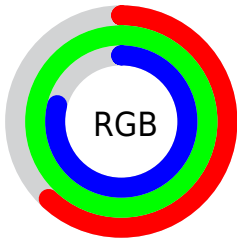
Format	Color
RYB	159, 225, 255
Decimal	10485706
CIELab	93.08, -39.56, 16.51
CIElCh	93, 42.866, 157.345
Yxy	83.1552, 0.2856, 0.3911
Android (android.graphics.Color)	4288675786 (0xFF9FFFCA)
YUV	220.2540, -8.9992, -53.7198
Hunter-Lab	91.1895, -40.7270, 19.1471

Details

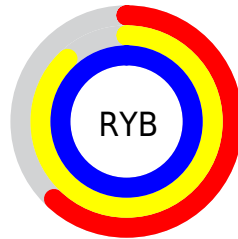
The XYZ color **60.7187, 83.1552, 68.7275** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.5221, 50.8104, 68.6411**, and the grayscale version is **68.2856, 71.8418, 78.2357**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **31.1329, 45.4098, 35.1411** is the 20% darker color. If you saturate the color by 10%, you get **54.5813, 80.1751, 60.1328**, and if you desaturate by 10%, it is **68.0526, 86.7345, 78.1747**.

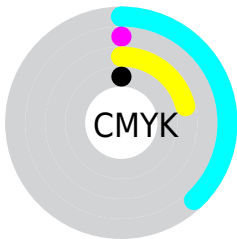
Distribution



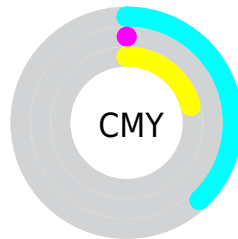
- Red (62%)
- Green (100%)
- Blue (79%)



- Red (62%)
- Yellow (88%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.7187, 83.1552, 68.7275 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 60.7187, 83.1552, 68.7275 by changing the saturation by 10% instead.


 60.7187, 83.1552,
68.7275


 60.7187, 83.1552,
68.7275


417.0342,
505.5036, 474.7372

 44.2499, 62.3182,
50.0194


 104.9720,
137.7928, 119.0563

 31.0657, 45.2899,
35.0576


 133.4871,
172.3622, 151.5141

 20.8010, 31.6858,
23.4233


166.7483,
212.2778, 189.3923

 13.0902, 21.1216,
14.6982

205.1211,
257.9241, 233.1094

 7.5681, 13.2129,
8.4636

248.9707,
309.6855, 283.0838

 3.8693, 7.5753,
4.3010

298.6626,

 1.6285, 3.8244,

367.9462, 339.7343

1.7919

354.5619,
433.0908, 403.4792

■ 0.4109, 1.5758,
0.4226

■ 0.0000, 0.3412,
0.0000

■ 60.7187, 83.1552,
68.7275

■ 60.7187, 83.1552,
68.7275

■ 54.5813, 80.1751,
60.1328

■ 68.0526, 86.7345,
78.1747

■ 49.5696, 77.7583,
52.3623

■ 76.6440, 90.9440,
88.4936

■ 45.6084, 75.8664,
45.3916

■ 86.5519, 95.8137,
99.7078

■ 42.6117, 74.4556,
39.1938

95.0500, 100.0000,
108.9000

■ 40.4787, 73.4745,
33.7398

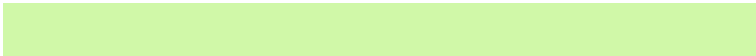
■ 39.0776, 72.8557,
28.9981

■ 38.8099, 72.7400,
27.9806

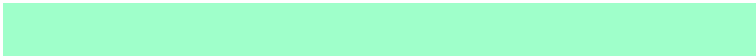
Harmonies

Analogous

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



66.6352, 83.1552, 49.7032



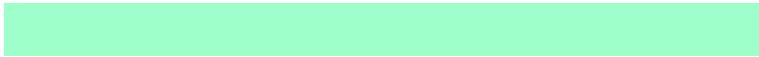
60.7187, 83.1552, 68.7275



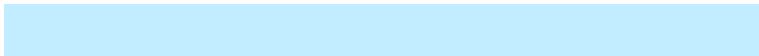
59.4769, 83.1552, 98.6894

Triad

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



60.7187, 83.1552, 68.7275



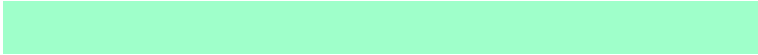
81.8324, 83.1552, 166.8698



97.4978, 83.1552, 57.9398

Complementary

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



60.7187, 83.1552, 68.7275



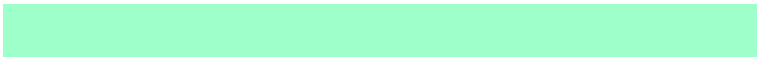
65.5221, 50.8104, 68.6411

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.



102.4733, 83.1552, 82.8556



60.7187, 83.1552, 68.7275



92.8883, 83.1552, 149.2171

Square

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



60.7187, 83.1552, 68.7275



70.9989, 83.1552, 160.5345



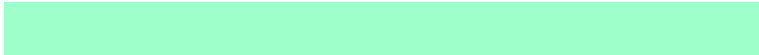
100.7112, 83.1552, 116.5434



87.6589, 83.1552, 44.5836

Rectangle

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



60.7187, 83.1552, 68.7275



61.3479, 83.1552, 122.0611



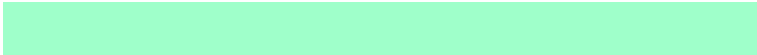
100.7112, 83.1552, 116.5434



99.8351, 83.1552, 64.9773

Sweetspot

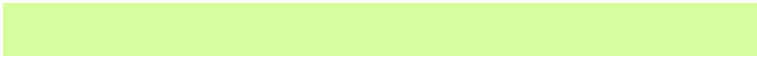
The Sweet Spot groups the original color and five complimentary colors.



60.7194, 83.1555, 68.7289



83.0789, 94.1052, 95.8458



69.5752, 88.2294, 46.1647



17.4910, 19.9992, 20.1870



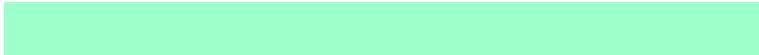
0.0000, 0.0000, 0.0000



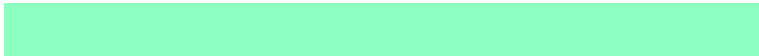
20.3446, 21.4041, 23.3091

Same Dimension

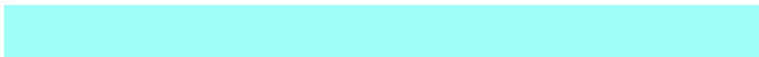
The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.7194, 83.1555, 68.7289



56.0931, 80.9075, 62.3263



67.0950, 85.7057, 102.3025



18.1097, 20.3034, 20.8808



20.3517, 38.0373, 15.0031



2.0356, 3.7252, 1.7455

Inverse Universe

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



65.5221, 50.8104, 68.6411



61.5058, 44.4298, 62.2097



60.4666, 48.7882, 42.0195



18.4291, 18.1550, 20.8768



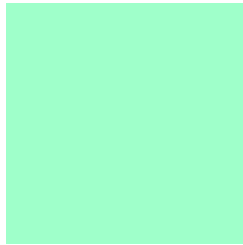
24.1287, 12.1408, 14.5941



2.4044, 1.2041, 1.7110

Previews

White Background



This preview shows how the XYZ color 60.7187, 83.1552, 68.7275 looks on a white background.

Color Contrast Check

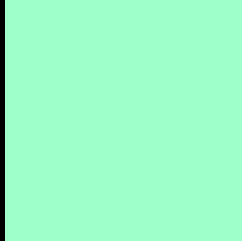
Large Text (above 18pt) WCAG AA × Fail

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 60.7187, 83.1552, 68.7275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

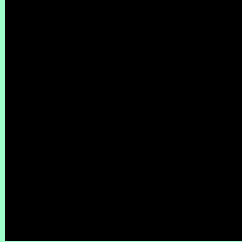
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.7187, 83.1552, 68.7275

Background



This preview shows how black text looks on a background with the XYZ color 60.7187, 83.1552, 68.7275.



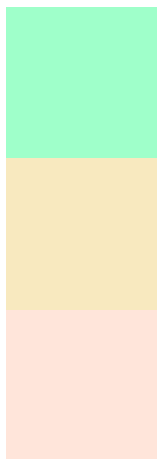
This preview shows how white text looks on a background with the XYZ color 60.7187, 83.1552,

68.7275.

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

60.7187, 83.1552, 68.7275

Protanopia

77.2543, 81.9959, 61.0453

Deuteranopia

81.9142, 82.3606, 77.9095



Tritanopia

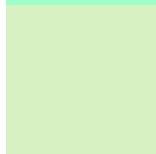
73.0908, 82.7300, 106.7239

Trichromacy



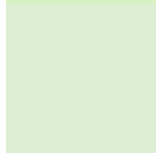
Original Color

60.7187, 83.1552, 68.7275



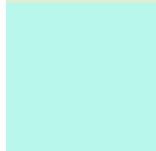
Protanomaly

69.6245, 81.4497, 63.6815



Deuteranomaly

71.9734, 81.1182, 74.1513



Tritanomaly

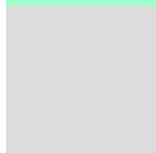
68.1683, 82.7680, 91.7399

Monochromacy



Original Color

60.7187, 83.1552, 68.7275



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.4379, 75.0877, 74.0479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.7187, 83.1552, 68.7275 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(159, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 60.7187, 83.1552, 68.7275 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(159, 255, 202) }
```


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

```
.border{ border-color:rgb(159, 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(159, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 60.7187, 83.1552, 68.7275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 202) }
```

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

```
.background{ background-color: rgb(159,  
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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