

Converting Colors

XYZ(84.2579, 130.0988,
59.7110)

Have a look what the booklet for
XYZ(84.2579, 130.0988, 59.7110)
contains.

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Color

**XYZ(61.1109, 83.7287,
51.9701)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FFAC
RGB	176, 255, 172
RGB Percent	69%, 100%, 67%
CMY	0.3098, 0.0000, 0.3255
CMYK	0.31, 0.00, 0.33, 0.00
HSL	117°, 100%, 84%
HSV	117°, 33%, 100%
XYZ	61.1109, 83.7287, 51.9701
YIQ	221.9170, -20.4410, -42.5610

Conversions

Conversions Part 2

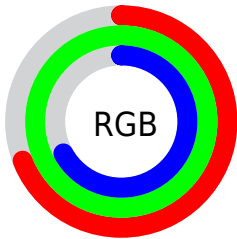
Format	Color
RYB	172, 255, 251
Decimal	11599788
CIELab	93.33, -39.71, 32.20
CIElCh	93, 51.128, 140.960
Yxy	83.7287, 0.3105, 0.4254
Android (android.graphics.Color)	4289789868 (0xFFB0FFAC)
YUV	221.9170, -24.6091, -40.2692
Hunter-Lab	91.5034, -40.9190, 30.3781

Details

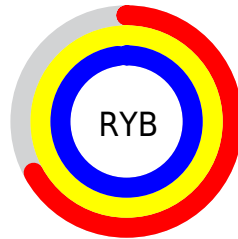
The XYZ color **61.1109, 83.7287, 51.9701** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **72.5872, 57.2355, 101.8295**, and the grayscale version is **69.5508, 73.1728, 79.6852**.

A 20% lighter version of the original color is **83.3679, 94.4451, 87.2346**, and **31.4090, 45.7850, 24.6347** is the 20% darker color. If you saturate the color by 10%, you get **53.8858, 80.2603, 40.0513**, and if you desaturate by 10%, it is **69.7880, 87.8912, 66.4122**.

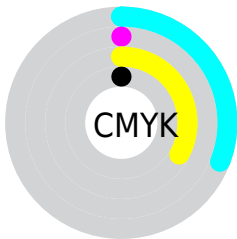
Distribution



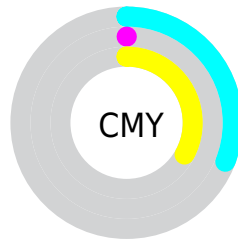
- Red (69%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (98%)



- Cyan (31%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.1109, 83.7287, 51.9701 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 61.1109, 83.7287, 51.9701 by changing the saturation by 10% instead.

61.1109, 83.7287,
51.9701

61.1109, 83.7287,
51.9701

418.4499,
507.4119, 411.2748

44.5676, 62.7915,
36.5992

105.5367,
138.5956, 94.5133

31.3168, 45.6725,
24.6039

134.1499,
173.2941, 122.5226

20.9932, 31.9875,
15.5659

167.5170,
213.3484, 155.5818

13.2315, 21.3519,
9.0665

206.0035,
259.1430, 194.1094

7.6662, 13.3815,
4.6872

249.9747,
311.0622, 238.5240

3.9321, 7.6918,
2.0094

299.7959,

1.6638, 3.8984,

369.4905, 289.2440

0.5610

355.8325,
434.8123, 346.6881

■ 0.4335, 1.6169,
0.0000

■ 0.0000, 0.3689,
0.0000

■ 61.1109, 83.7287,
51.9701

■ 61.1109, 83.7287,
51.9701

■ 53.8858, 80.2603,
40.0513

■ 69.7880, 87.8912,
66.4122

■ 48.0321, 77.4478,
30.5073

■ 79.9890, 92.7822,
83.5067

■ 43.4634, 75.2500,
23.1806

■ 91.7826, 98.4344,
103.3786

■ 40.0830, 73.6209,
17.8924

95.0500, 100.0000,
108.9000

■ 37.7802, 72.5078,
14.4369

■ 36.4239, 71.8487,
12.5647

■ 35.9156, 71.6002,
11.9273

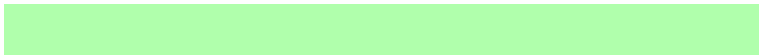
Harmonies

Analogous

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



70.6708, 83.7287, 37.9578



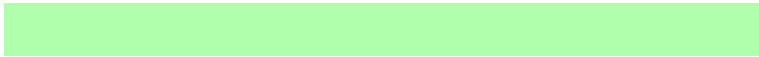
61.1109, 83.7287, 51.9701



56.6442, 83.7287, 80.0007

Triad

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



61.1109, 83.7287, 51.9701



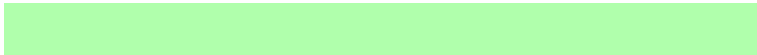
75.5809, 83.7287, 185.8025



106.3030, 83.7287, 67.1213

Complementary

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



61.1109, 83.7287, 51.9701



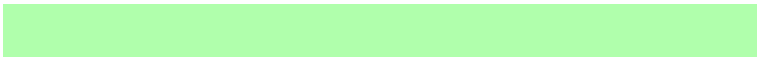
72.5872, 57.2355, 101.8295

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.



108.0007, 83.7287, 103.3253



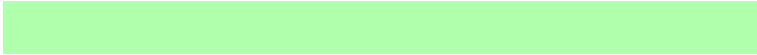
61.1109, 83.7287, 51.9701



89.2116, 83.7287, 179.4662

Square

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



61.1109, 83.7287, 51.9701



64.3565, 83.7287, 161.7746



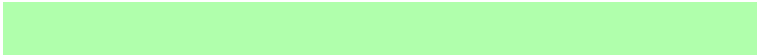
101.4430, 83.7287, 146.3269



97.0365, 83.7287, 44.8345

Rectangle

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



61.1109, 83.7287, 51.9701



56.7645, 83.7287, 106.0104



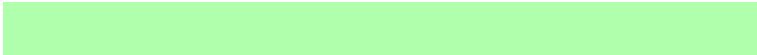
101.4430, 83.7287, 146.3269



107.8160, 83.7287, 77.7770

Sweetspot

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



61.1114, 83.7289, 51.9714



82.8402, 94.1489, 88.3017



83.1370, 93.1394, 52.6269



17.3919, 19.9891, 18.3293



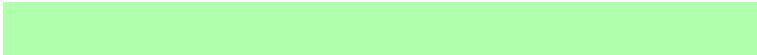
0.0000, 0.0000, 0.0000



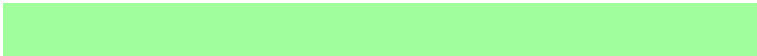
20.3446, 21.4041, 23.3091

Same Dimension

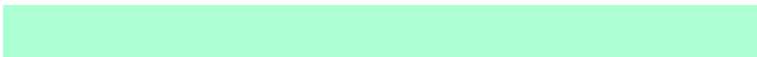
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.1114, 83.7289, 51.9714



56.2882, 81.4139, 44.0008



64.3260, 84.9118, 73.5492



17.8525, 20.2099, 19.1043



18.8007, 37.4302, 6.2339



1.8578, 3.6585, 0.6082

Inverse Universe

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



72.5872, 57.2355, 101.8295



69.3623, 51.2088, 100.8362



68.6023, 55.8097, 73.2472



18.7011, 18.2532, 22.7875



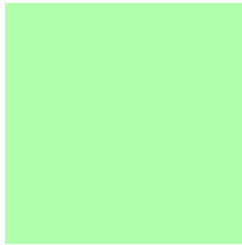
28.7315, 13.7221, 50.5689



2.8231, 1.3493, 4.9249

Previews

White Background



This preview shows how the XYZ color 61.1109, 83.7287, 51.9701 looks on a white background.

Color Contrast Check

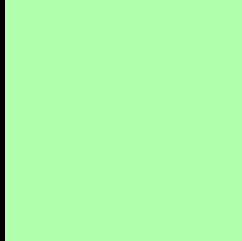
Large Text (above 18pt) WCAG AA × Fail

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 61.1109, 83.7287, 51.9701 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 61.1109, 83.7287, 51.9701

Background



This preview shows how black text looks on a background with the XYZ color 61.1109, 83.7287, 51.9701.



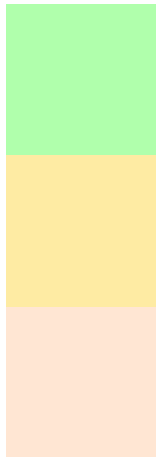
This preview shows how white text looks on a background with the XYZ color 61.1109, 83.7287, 51.9701.

51.9701.

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

61.1109, 83.7287, 51.9701

Protanopia

77.1922, 83.1318, 46.6279

Deuteranopia

81.2947, 82.5568, 73.2784



Tritanopia

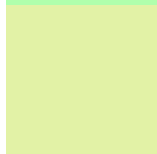
74.9589, 83.2524, 106.7263

Trichromacy



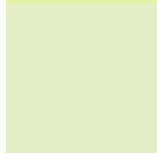
Original Color

61.1109, 83.7287, 51.9701



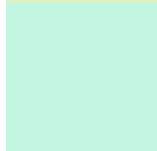
Protanomaly

69.9991, 82.4262, 48.2969



Deuteranomaly

72.3086, 81.9330, 64.8269



Tritanomaly

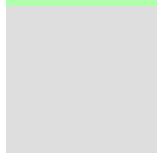
69.0521, 82.9499, 83.6057

Monochromacy



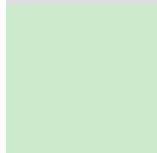
Original Color

61.1109, 83.7287, 51.9701



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

65.4987, 76.1844, 68.3797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.1109, 83.7287, 51.9701 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(176, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 172)  
}
```

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(176, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 172) }
```

Border

The CSS property to change the border of an element to XYZ 61.1109, 83.7287, 51.9701 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(176, 255, 172) }
```


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

```
.border{ border-color:rgb(176, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 61.1109, 83.7287, 51.9701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 172) }
```

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

```
.background{ background-color: rgb(176,  
255, 172) }
```

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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