

Converting Colors

XYZ(58.5185, 82.7012, 37.8908)

Have a look what the booklet for
XYZ(58.5185, 82.7012, 37.8908)
contains.

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Color

**XYZ(58.4722, 82.6732,
38.0750)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FF8D
RGB	176, 255, 141
RGB Percent	69%, 100%, 55%
CMY	0.3098, 0.0000, 0.4470
CMYK	0.31, 0.00, 0.45, 0.00
HSL	102°, 100%, 78%
HSV	102°, 45%, 100%
XYZ	58.4722, 82.6732, 38.0750
YIQ	218.3830, -10.4900, -52.2020

Conversions

Conversions Part 2

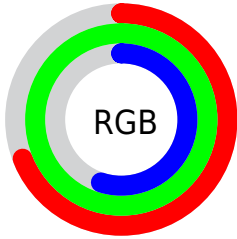
Format	Color
RYB	141, 255, 220
Decimal	11599757
CIELab	92.87, -44.03, 46.80
CIELCh	93, 64.257, 133.248
Yxy	82.6732, 0.3263, 0.4613
Android (android.graphics.Color)	4289789837 (0xFFB0FF8D)
YUV	218.3830, -38.1498, -37.1699
Hunter-Lab	90.9248, -44.3281, 38.8195

Details

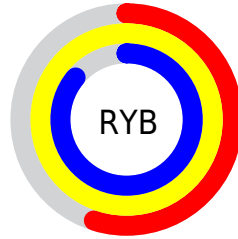
The XYZ color **58.4722, 82.6732, 38.0750** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.0914, 41.4867, 99.6064**, and the grayscale version is **67.1651, 70.6629, 76.9519**.

A 20% lighter version of the original color is **79.6555, 92.9979, 65.9767**, and **29.7013, 45.0858, 16.3695** is the 20% darker color. If you saturate the color by 10%, you get **53.0489, 80.0719, 29.0313**, and if you desaturate by 10%, it is **64.8532, 85.7176, 49.4459**.

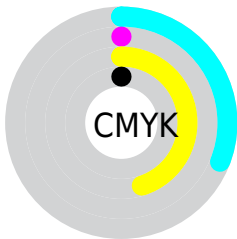
Distribution



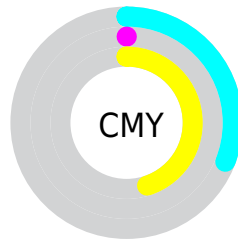
- Red (69%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (86%)



- Cyan (31%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.4722, 82.6732, 38.0750 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 58.4722, 82.6732, 38.0750 by changing the saturation by 10% instead.


 58.4722, 82.6732,
38.0750

 58.4722, 82.6732,
38.0750


408.8687,
503.8967, 353.2494

 42.4331, 61.9206,
25.7386


 101.7292,
137.1177, 73.4278

 29.6332, 44.9685,
16.4042


 129.6778,
171.5783, 97.2813

 19.7070, 31.4326,
9.6532


162.3270,
211.3771, 125.8108

 12.2893, 20.9285,
5.0670

200.0421,
256.8984, 159.4351

 7.0146, 13.0718,
2.2272

243.1885,
308.5266, 198.5725

 3.5176, 7.4780,
0.6900

292.1314,

 1.4330, 3.7628,

366.6461, 243.6417

0.0000

347.2364,
431.6414, 295.0612

0.2796, 1.5418,
0.0000

0.0000, 0.3179,
0.0000

58.4722, 82.6732,
38.0750

58.4722, 82.6732,
38.0750

53.0489, 80.0719,
29.0313

64.8532, 85.7176,
49.4459

48.5319, 77.8910,
22.1501

72.2372, 89.2256,
63.2859

44.8662, 76.1058,
17.2511

80.6677, 93.2164,
79.7302

41.9890, 74.6888,
14.1231

90.1853, 97.7084,
98.9028

■ 39.8267, 73.6077, 95.0500, 100.0000,
12.5066 108.9000

■ 38.9253, 73.1518,
12.0681

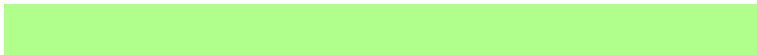
Harmonies

Analogous

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



71.4109, 82.6732, 26.6860



58.4722, 82.6732, 38.0750



51.5448, 82.6732, 65.9139

Triad

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



58.4722, 82.6732, 38.0750



69.6368, 82.6732, 210.7265



114.3725, 82.6732, 70.4506

Complementary

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



58.4722, 82.6732, 38.0750



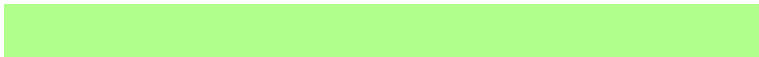
57.0914, 41.4867, 99.6064

Split Complementary

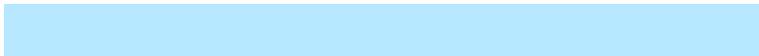
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.7175, 82.6732, 119.3785



58.4722, 82.6732, 38.0750



86.2101, 82.6732, 213.3168

Square

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



58.4722, 82.6732, 38.0750



57.3334, 82.6732, 169.3736



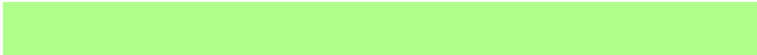
102.8344, 82.6732, 175.5398



104.5135, 82.6732, 40.3723

Rectangle

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



58.4722, 82.6732, 38.0750



50.5561, 82.6732, 95.3566



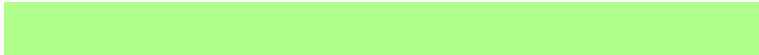
102.8344, 82.6732, 175.5398



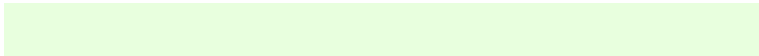
115.4123, 82.6732, 84.8807

Sweetspot

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



58.4725, 82.6733, 38.0762



82.2122, 93.9462, 82.8023



71.3536, 73.7946, 35.6836



17.1701, 19.9067, 16.8749



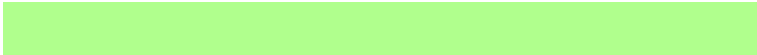
0.0000, 0.0000, 0.0000



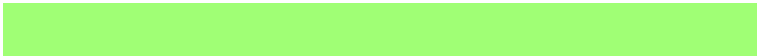
20.3446, 21.4041, 23.3091

Same Dimension

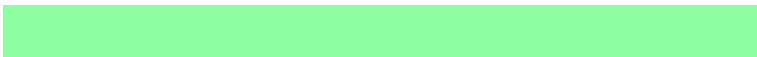
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.4725, 82.6733, 38.0762



53.4008, 80.2412, 29.5958



53.2580, 79.7882, 46.7307



18.2960, 20.4385, 19.1251



20.4721, 38.2918, 6.3121



2.0992, 3.7829, 0.6195

Inverse Universe

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



57.0914, 41.4867, 99.6064



51.8074, 34.1178, 98.4626



65.6311, 46.2570, 83.3870



18.2181, 18.0042, 22.7649



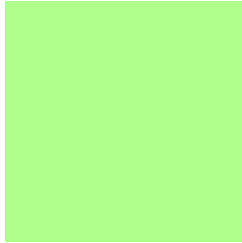
19.0313, 8.7215, 50.1149



1.9647, 0.9068, 4.8847

Previews

White Background



This preview shows how the XYZ color 58.4722, 82.6732, 38.0750 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 58.4722, 82.6732, 38.0750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

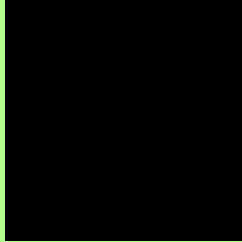
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

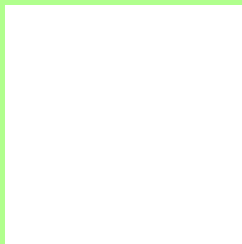
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.4722, 82.6732, 38.0750

Background



This preview shows how black text looks on a background with the XYZ color 58.4722, 82.6732, 38.0750.



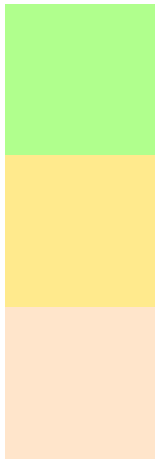
This preview shows how white text looks on a background with the XYZ color 58.4722, 82.6732,

38.0750.

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

58.4722, 82.6732, 38.0750

Protanopia

75.4705, 82.0287, 37.0547

Deuteranopia

80.0388, 81.6104, 68.0338



Tritanopia

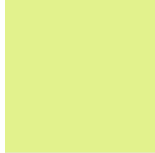
74.1119, 82.3775, 106.6021

Trichromacy



Original Color

58.4722, 82.6732, 38.0750



Protanomaly

67.9239, 81.5961, 37.3690



Deuteranomaly

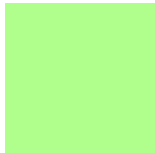
70.1768, 80.6131, 55.0412



Tritanomaly

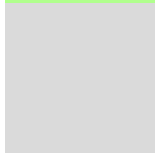
67.0381, 81.6292, 75.8411

Monochromacy



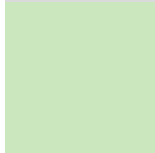
Original Color

58.4722, 82.6732, 38.0750



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.4988, 73.5660, 59.6208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4722, 82.6732, 38.0750 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 141) }
```

Border

The CSS property to change the border of an element to XYZ 58.4722, 82.6732, 38.0750 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, 141) }
```


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

```
.border{ border-color:rgb(176, 255, 141) }
```

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, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4722, 82.6732, 38.0750 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, 141) }
```

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

```
.background{ background-color: rgb(176,  
255, 141) }
```

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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