

Converting Colors

XYZ(58.8099, 82.8440, 38.2393)

Have a look what the booklet for
XYZ(58.8099, 82.8440, 38.2393)
contains.

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Color

**XYZ(58.6992, 82.7902,
38.0856)**

Conversions

Conversions Part 1

Format	Color
Hex	B1FF8D
RGB	177, 255, 141
RGB Percent	69%, 100%, 55%
CMY	0.3059, 0.0000, 0.4470
CMYK	0.31, 0.00, 0.45, 0.00
HSL	101°, 100%, 78%
HSV	101°, 45%, 100%
XYZ	58.6992, 82.7902, 38.0856
YIQ	218.6820, -9.8940, -51.9900

Conversions

Conversions Part 2

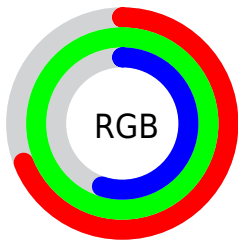
Format	Color
RYB	141, 255, 219
Decimal	11665293
CIELab	92.92, -43.70, 46.88
CIELCh	93, 64.088, 132.988
Yxy	82.7902, 0.3269, 0.4610
Android (android.graphics.Color)	4289855373 (0xFFB1FF8D)
YUV	218.6820, -38.2972, -36.5551
Hunter-Lab	90.9891, -44.0765, 38.8752

Details

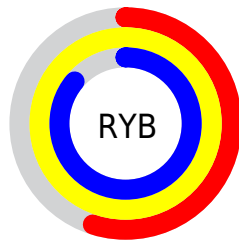
The XYZ color **58.6992, 82.7902, 38.0856** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.7895, 41.3311, 99.5923**, and the grayscale version is **67.3731, 70.8817, 77.1902**.

A 20% lighter version of the original color is **79.9848, 93.1677, 65.9921**, and **29.8407, 45.1577, 16.3761** is the 20% darker color. If you saturate the color by 10%, you get **53.2915, 80.1970, 29.0427**, and if you desaturate by 10%, it is **65.0526, 85.8204, 49.4552**.

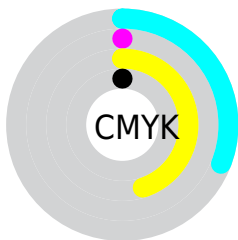
Distribution



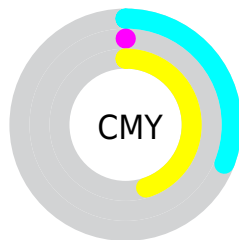
- Red (69%)
- Green (100%)
- Blue (55%)



- 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 58.6992, 82.7902, 38.0856 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 58.6992, 82.7902, 38.0856 by changing the saturation by 10% instead.

 58.6992, 82.7902,
38.0856

 58.6992, 82.7902,
38.0856


409.6983,
504.2870, 353.2962

 42.6165, 62.0171,
25.7468


 102.0575,
137.2816, 73.4442

 29.7775, 45.0465,
16.4102


 130.0637,
171.7686, 97.3011

 19.8170, 31.4941,
9.6574


162.7752,
211.5958, 125.8344

 12.3696, 20.9754,
5.0698

200.5573,
257.1475, 159.4626

 7.0699, 13.1060,
2.2288

243.7752,
308.8080, 198.6044

 3.5526, 7.5016,
0.6909

292.7945,

 1.4523, 3.7777,

366.9619, 243.6782

0.0000

347.9804,
431.9934, 295.1027

0.2930, 1.5500,
0.0000

0.0000, 0.3235,
0.0000

58.6992, 82.7902,
38.0856

58.6992, 82.7902,
38.0856

53.2915, 80.1970,
29.0427

65.0526, 85.8204,
49.4552

48.7790, 78.0183,
22.1617

72.3962, 89.3075,
63.2933

45.1073, 76.2302,
17.2624

80.7728, 93.2706,
79.7351

42.2149, 74.8053,
14.1336

90.2224, 97.7275,
98.9045

■ 40.0293, 73.7121, 95.0500, 100.0000,
12.5161 108.9000

■ 39.1126, 73.2483,
12.0769

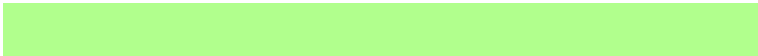
Harmonies

Analogous

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



71.6673, 82.7902, 26.8060



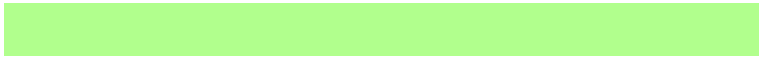
58.6992, 82.7902, 38.0856



51.7224, 82.7902, 65.7492

Triad

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



58.6992, 82.7902, 38.0856



69.6330, 82.7902, 210.3257



114.4515, 82.7902, 70.9534

Complementary

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



58.6992, 82.7902, 38.0856



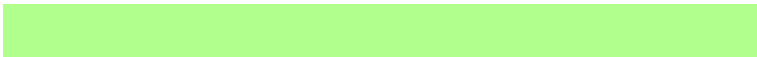
56.7895, 41.3311, 99.5923

Split Complementary

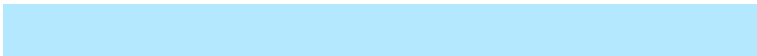
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.7013, 82.7902, 119.9316



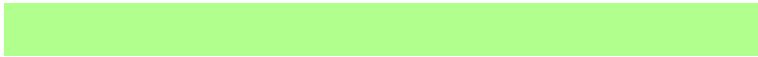
58.6992, 82.7902, 38.0856



86.1563, 82.7902, 213.2904

Square

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



58.6992, 82.7902, 38.0856



57.3928, 82.7902, 168.8483



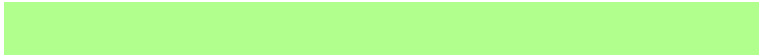
102.7701, 82.7902, 175.9082



104.6939, 82.7902, 40.7247

Rectangle

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



58.6992, 82.7902, 38.0856



50.6964, 82.7902, 95.0408



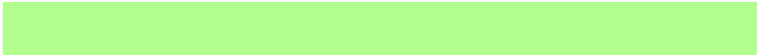
102.7701, 82.7902, 175.9082



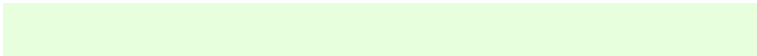
115.4564, 82.7902, 85.4192

Sweetspot

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



58.6995, 82.7904, 38.0868



82.3068, 93.9950, 82.8067



71.3536, 73.7946, 35.6835



17.1932, 19.9186, 16.8760



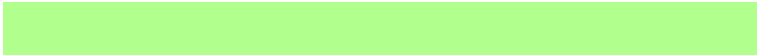
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

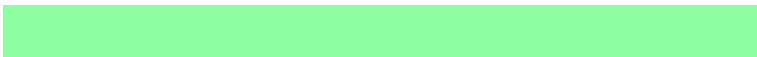
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.6995, 82.7904, 38.0868



53.6427, 80.3659, 29.6072



53.2579, 79.7882, 46.7307



18.3113, 20.4464, 19.1258



20.5726, 38.3437, 6.3168



2.1105, 3.7888, 0.6201

Inverse Universe

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



56.7895, 41.3311, 99.5923



51.4588, 33.9381, 98.4463



65.6311, 46.2570, 83.3870



18.2020, 17.9959, 22.7642



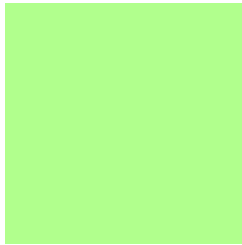
18.7696, 8.5865, 50.1027



1.9407, 0.8944, 4.8836

Previews

White Background



This preview shows how the XYZ color 58.6992, 82.7902, 38.0856 looks on a white background.

Color Contrast Check

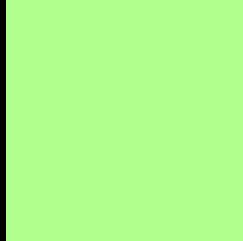
Large Text (above 18pt) WCAG AA × Fail

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 58.6992, 82.7902, 38.0856 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

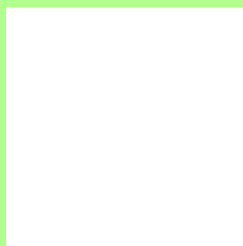
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.6992, 82.7902, 38.0856

Background



This preview shows how black text looks on a background with the XYZ color 58.6992, 82.7902, 38.0856.

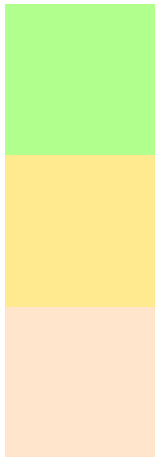


This preview shows how white text looks on a background with the XYZ color 58.6992, 82.7902,

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

58.6992, 82.7902, 38.0856

Protanopia

75.6207, 82.0888, 37.8457

Deuteranopia

80.0388, 81.6104, 68.0338



Tritanopia

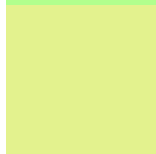
74.3869, 82.5193, 106.6150

Trichromacy



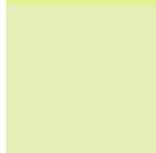
Original Color

58.6992, 82.7902, 38.0856



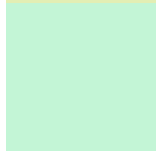
Protanomaly

68.3132, 81.7881, 37.7774



Deuteranomaly

70.4913, 80.7753, 55.0559



Tritanomaly

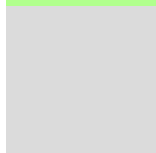
67.2957, 81.7620, 75.8531

Monochromacy



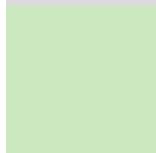
Original Color

58.6992, 82.7902, 38.0856



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.1624, 74.3122, 60.3049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6992, 82.7902, 38.0856 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(177, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 141) }
```

Border

The CSS property to change the border of an element to XYZ 58.6992, 82.7902, 38.0856 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(177, 255, 141) }
```


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

```
.border{ border-color:rgb(177, 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(177, 255, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6992, 82.7902, 38.0856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 141) }
```

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

```
.background{ background-color: rgb(177,  
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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