

Converting Colors

XYZ(67.3209, 100.0000,
41.1604)

Have a look what the booklet for
XYZ(67.3209, 100.0000, 41.1604)
contains.

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Color

**XYZ(58.7739, 82.8201,
38.4794)**

Conversions

Conversions Part 1

Format	Color
Hex	B1FF8E
RGB	177, 255, 142
RGB Percent	69%, 100%, 56%
CMY	0.3059, 0.0000, 0.4431
CMYK	0.31, 0.00, 0.44, 0.00
HSL	101°, 100%, 78%
HSV	101°, 44%, 100%
XYZ	58.7739, 82.8201, 38.4794
YIQ	218.7960, -10.2150, -51.6790

Conversions

Conversions Part 2

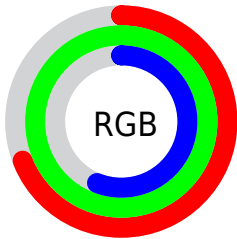
Format	Color
RYB	142, 255, 220
Decimal	11665294
CIELab	92.94, -43.57, 46.42
CIELCh	93, 63.666, 133.189
Yxy	82.8201, 0.3264, 0.4599
Android (android.graphics.Color)	4289855374 (0xFFB1FF8E)
YUV	218.7960, -37.8604, -36.6551
Hunter-Lab	91.0055, -43.9795, 38.6346

Details

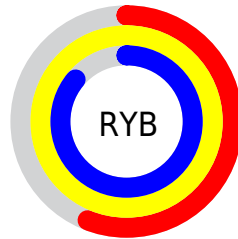
The XYZ color **58.7739, 82.8201, 38.4794** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.2396, 41.7831, 99.6558**, and the grayscale version is **67.4494, 70.9620, 77.2776**.

A 20% lighter version of the original color is **80.0990, 93.2134, 66.5936**, and **29.8824, 45.1744, 16.5958** is the 20% darker color. If you saturate the color by 10%, you get **53.3189, 80.2044, 29.3477**, and if you desaturate by 10%, it is **65.1848, 85.8779, 49.9441**.

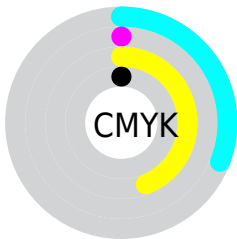
Distribution



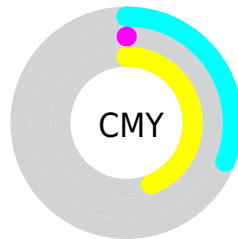
- Red (69%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (86%)



- Cyan (31%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7739, 82.8201, 38.4794 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 58.7739, 82.8201, 38.4794 by changing the saturation by 10% instead.


 58.7739, 82.8201,
38.4794


 58.7739, 82.8201,
38.4794


409.9710,
504.3868, 355.0317

 42.6768, 62.0418,
26.0503


 102.1655,
137.3235, 74.0539

 29.8250, 45.0664,
16.6351


 130.1907,
171.8173, 98.0363

 19.8532, 31.5098,
9.8155

162.9226,
211.6517, 126.7070

 12.3960, 20.9873,
5.1728


200.7267,
257.2111, 160.4843

 7.0881, 13.1147,
2.2885

243.9682,
308.8799, 199.7869

 3.5641, 7.5076,
0.7248

293.0125,

 1.4586, 3.7815,

367.0426, 245.0333

0.0000

348.2250,
432.0834, 296.6420

■ 0.2974, 1.5521,
0.0000

■ 0.0000, 0.3250,
0.0000

■ 58.7739, 82.8201,
38.4794

■ 58.7739, 82.8201,
38.4794

■ 53.3189, 80.2044,
29.3477

■ 65.1848, 85.8779,
49.9441

■ 48.7688, 78.0081,
22.3850

■ 72.5964, 89.3979,
63.8833

■ 45.0690, 76.2070,
17.4119

■ 81.0520, 93.3994,
80.4315

■ 42.1574, 74.7737,
14.2186

■ 90.5918, 97.9005,
99.7125

■ 39.9615, 73.6764, 95.0500, 100.0000,
12.5484 108.9000

■ 38.9826, 73.1813,
12.0708

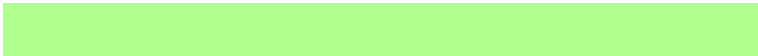
Harmonies

Analogous

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



71.6358, 82.8201, 27.1178



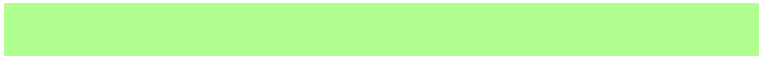
58.7739, 82.8201, 38.4794



51.8726, 82.8201, 66.1704

Triad

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



58.7739, 82.8201, 38.4794



69.8158, 82.8201, 209.5274



114.1902, 82.8201, 70.8299

Complementary

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



58.7739, 82.8201, 38.4794



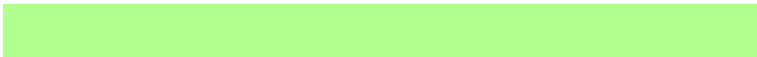
57.2396, 41.7831, 99.6558

Split Complementary

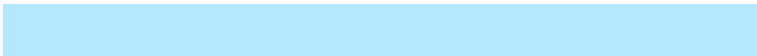
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.5204, 82.8201, 119.3837



58.7739, 82.8201, 38.4794



86.2523, 82.8201, 212.1698

Square

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



58.7739, 82.8201, 38.4794



57.6041, 82.8201, 168.6265



102.7295, 82.8201, 174.9233



104.4478, 82.8201, 40.8492

Rectangle

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



58.7739, 82.8201, 38.4794



50.8803, 82.8201, 95.3756



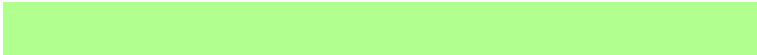
102.7295, 82.8201, 174.9233



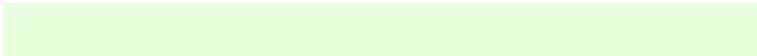
115.2121, 82.8201, 85.1708

Sweetspot

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



58.7742, 82.8202, 38.4806



82.2415, 93.9613, 82.8036



71.5111, 73.9898, 36.1049



17.1772, 19.9104, 16.8753



0.0000, 0.0000, 0.0000



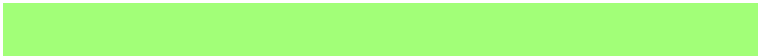
20.3446, 21.4041, 23.3091

Same Dimension

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



58.7742, 82.8202, 38.4806



53.9821, 80.5233, 30.4190



53.5016, 79.9054, 47.1221



18.3007, 20.4409, 19.1253



20.5029, 38.3077, 6.3135



2.1026, 3.7847, 0.6197

Inverse Universe

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



57.2396, 41.7831, 99.6558



52.2302, 34.7842, 98.5689



65.8056, 46.5638, 83.5753



18.2132, 18.0016, 22.7647



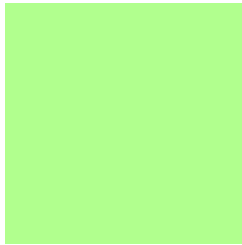
18.9499, 8.6795, 50.1111



1.9573, 0.9029, 4.8844

Previews

White Background



This preview shows how the XYZ color 58.7739, 82.8201, 38.4794 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 58.7739, 82.8201, 38.4794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

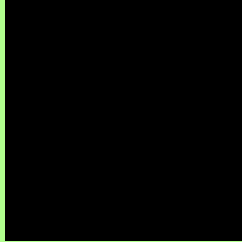
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

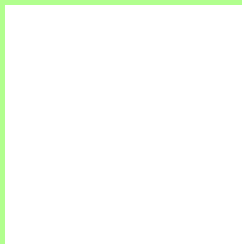
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.7739, 82.8201, 38.4794

Background



This preview shows how black text looks on a background with the XYZ color 58.7739, 82.8201, 38.4794.



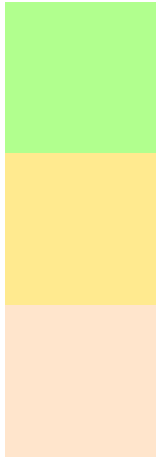
This preview shows how white text looks on a background with the XYZ color 58.7739, 82.8201,

38.4794.

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

58.7739, 82.8201, 38.4794

Protanopia

75.6207, 82.0888, 37.8457

Deuteranopia

80.1584, 81.6583, 68.6636



Tritanopia

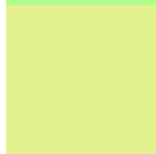
74.3869, 82.5193, 106.6150

Trichromacy



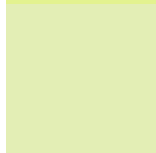
Original Color

58.7739, 82.8201, 38.4794



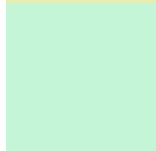
Protanomaly

68.3886, 81.8183, 38.1747



Deuteranomaly

70.5936, 80.8162, 55.5945



Tritanomaly

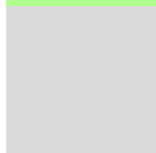
67.2957, 81.7620, 75.8531

Monochromacy



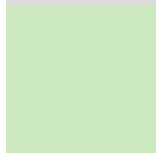
Original Color

58.7739, 82.8201, 38.4794



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 58.7739, 82.8201, 38.4794 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 142) }
```

Border

The CSS property to change the border of an element to XYZ 58.7739, 82.8201, 38.4794 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, 142) }
```


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

```
.border{ border-color:rgb(177, 255, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7739, 82.8201, 38.4794 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, 142) }
```

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

```
.background{ background-color: rgb(177,  
255, 142) }
```

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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