

Converting Colors

XYZ(59.8506, 83.2750, 43.0562)

Have a look what the booklet for
XYZ(59.8506, 83.2750, 43.0562)
contains.

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Color

**XYZ(59.8699, 83.2849,
43.0571)**

Conversions

Conversions Part 1

Format	Color
Hex	B2FF99
RGB	178, 255, 153
RGB Percent	70%, 100%, 60%
CMY	0.3020, 0.0000, 0.4000
CMYK	0.30, 0.00, 0.40, 0.00
HSL	105°, 100%, 80%
HSV	105°, 40%, 100%
XYZ	59.8699, 83.2849, 43.0571
YIQ	220.3490, -13.1500, -48.0460

Conversions

Conversions Part 2

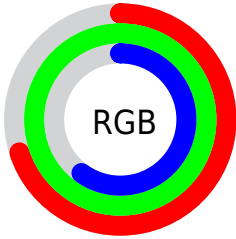
Format	Color
RYB	153, 255, 230
Decimal	11730841
CIELab	93.14, -41.82, 41.37
CIElCh	93, 58.825, 135.309
Yxy	83.2849, 0.3215, 0.4473
Android (android.graphics.Color)	4289920921 (0xFFB2FF99)
YUV	220.3490, -33.2031, -37.1401
Hunter-Lab	91.2606, -42.6042, 35.9091

Details

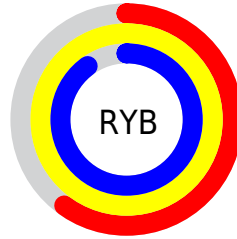
The XYZ color **59.8699, 83.2849, 43.0571** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.0755, 46.8267, 100.3745**, and the grayscale version is **68.5024, 72.0699, 78.4841**.

A 20% lighter version of the original color is **81.7372, 93.9069, 73.4923**, and **30.5204, 45.4458, 19.2199** is the 20% darker color. If you saturate the color by 10%, you get **53.8723, 80.4109, 32.9324**, and if you desaturate by 10%, it is **66.9383, 86.6588, 55.5835**.

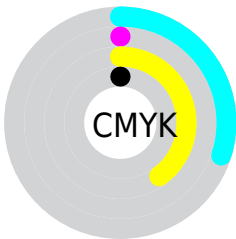
Distribution



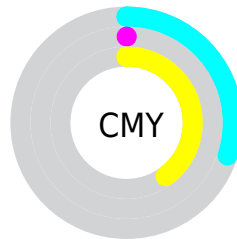
- Red (70%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (90%)



- Cyan (30%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8699, 83.2849, 43.0571 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 59.8699, 83.2849, 43.0571 by changing the saturation by 10% instead.


 59.8699, 83.2849,
43.0571


 59.8699, 83.2849,
43.0571


413.9605,
505.9355, 374.7747

 43.5628, 62.4252,
29.5982


 103.7483,
137.9744, 81.0843

 30.5234, 45.3764,
19.2843


 132.0504,
172.5730, 106.4897

 20.3863, 31.7540,
11.6970


165.0816,
212.5201, 136.7143

 12.7860, 21.1737,
6.4177

203.2071,
258.1999, 172.1766

 7.3573, 13.2510,
3.0278

246.7924,
309.9970, 213.2953

 3.7349, 7.6016,
1.1089

296.2029,

 1.5533, 3.8411,

368.2957, 260.4889

0.0000

351.8038,
433.4804, 314.1758

■ 0.3617, 1.5851,
0.0000

■ 0.0000, 0.3475,
0.0000

■ 59.8699, 83.2849,
43.0571

■ 59.8699, 83.2849,
43.0571

■ 53.8723, 80.4109,
32.9324

■ 66.9383, 86.6588,
55.5835

■ 48.8896, 78.0115,
25.0521

■ 75.1267, 90.5552,
70.6478

■ 44.8625, 76.0598,
19.2460

■ 84.4829, 94.9957,
88.3807

■ 41.7244, 74.5257,
15.3181

95.0500, 100.0000,
108.9000

■ 39.3988, 73.3750,
13.0347

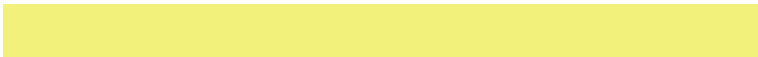
■ 37.7780, 72.5603,
12.0145

■ 37.7779, 72.5603,
12.0144

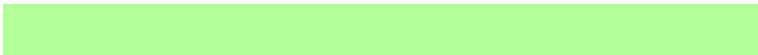
Harmonies

Analogous

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



71.5756, 83.2849, 30.9016



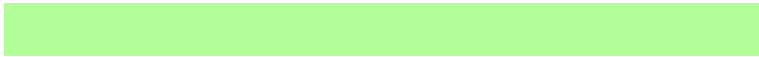
59.8699, 83.2849, 43.0571



53.7692, 83.2849, 70.7789

Triad

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



59.8699, 83.2849, 43.0571



71.8648, 83.2849, 200.3341



111.3955, 83.2849, 70.0316

Complementary

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



59.8699, 83.2849, 43.0571



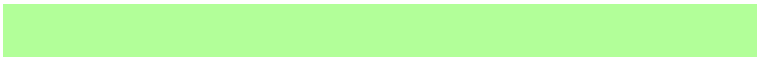
62.0755, 46.8267, 100.3745

Split Complementary

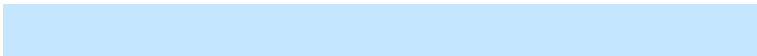
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.4995, 83.2849, 114.0075



59.8699, 83.2849, 43.0571



87.2617, 83.2849, 199.9322

Square

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



59.8699, 83.2849, 43.0571



60.0578, 83.2849, 165.5754



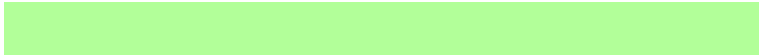
102.2031, 83.2849, 164.6098



101.9352, 83.2849, 42.6642

Rectangle

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



59.8699, 83.2849, 43.0571



53.1200, 83.2849, 98.7813



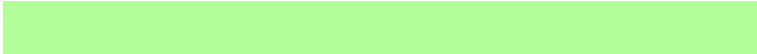
102.2031, 83.2849, 164.6098



112.5628, 83.2849, 83.0401

Sweetspot

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



59.8703, 83.2851, 43.0584



82.5150, 94.0626, 84.6127



75.1481, 79.8761, 41.5951



17.3922, 20.0055, 17.5969



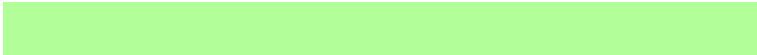
0.0000, 0.0000, 0.0000



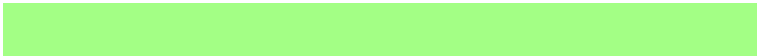
20.3446, 21.4041, 23.3091

Same Dimension

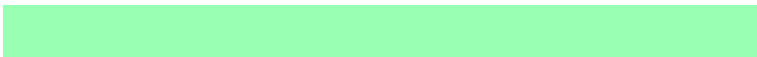
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.8703, 83.2851, 43.0584



54.9882, 80.9466, 34.7718



56.9838, 81.5271, 55.1173



18.1885, 20.3831, 19.1200



19.8518, 37.9721, 6.2830



2.0267, 3.7455, 0.6161

Inverse Universe

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



62.0755, 46.8267, 100.3745



57.4347, 39.8935, 99.2808



66.8446, 49.7286, 80.5713



18.3322, 18.0630, 22.7702



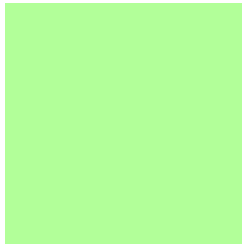
20.9992, 9.7359, 50.2070



2.1432, 0.9988, 4.8931

Previews

White Background



This preview shows how the XYZ color 59.8699, 83.2849, 43.0571 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 59.8699, 83.2849, 43.0571 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

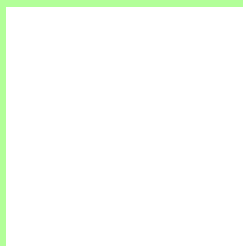
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.8699, 83.2849, 43.0571

Background



This preview shows how black text looks on a background with the XYZ color 59.8699, 83.2849, 43.0571.

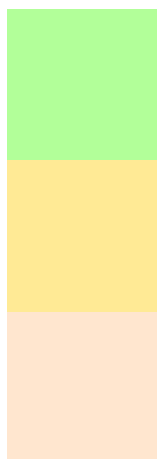


This preview shows how white text looks on a background with the XYZ color 59.8699, 83.2849,

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

59.8699, 83.2849, 43.0571

Protanopia

76.0876, 82.2756, 40.3043

Deuteranopia

80.7993, 82.3586, 70.6697



Tritanopia

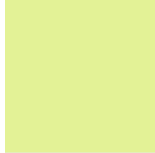
74.9422, 82.8056, 106.6409

Trichromacy



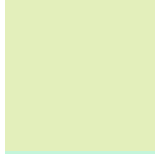
Original Color

59.8699, 83.2849, 43.0571



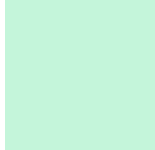
Protanomaly

68.9357, 82.0372, 41.0556



Deuteranomaly

71.5147, 81.6518, 59.0048



Tritanomaly

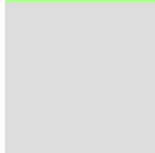
68.0722, 82.1025, 78.5893

Monochromacy



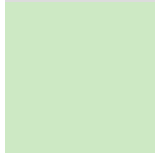
Original Color

59.8699, 83.2849, 43.0571



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.2796, 75.2425, 63.3599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8699, 83.2849, 43.0571 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(178, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 153)  
}
```

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(178, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 59.8699, 83.2849, 43.0571 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(178, 255, 153) }
```


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

```
.border{ border-color:rgb(178, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8699, 83.2849, 43.0571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 153) }
```

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

```
.background{ background-color: rgb(178,  
255, 153) }
```

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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