

Converting Colors

XYZ(58.7506, 82.7045, 43.1578)

Have a look what the booklet for
XYZ(58.7506, 82.7045, 43.1578)
contains.

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Color

**XYZ(58.7433, 82.7041,
43.0044)**

Conversions

Conversions Part 1

Format	Color
Hex	ADFF99
RGB	173, 255, 153
RGB Percent	68%, 100%, 60%
CMY	0.3216, 0.0000, 0.4000
CMYK	0.32, 0.00, 0.40, 0.00
HSL	108°, 100%, 80%
HSV	108°, 40%, 100%
XYZ	58.7433, 82.7041, 43.0044
YIQ	218.8540, -16.1300, -49.1060

Conversions

Conversions Part 2

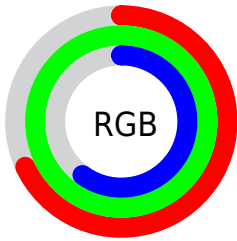
Format	Color
RYB	153, 255, 235
Decimal	11403161
CIELab	92.88, -43.43, 40.99
CIELCh	93, 59.720, 136.653
Yxy	82.7041, 0.3185, 0.4484
Android (android.graphics.Color)	4289593241 (0xFFADFF99)
YUV	218.8540, -32.4660, -40.2140
Hunter-Lab	90.9418, -43.8471, 35.6223

Details

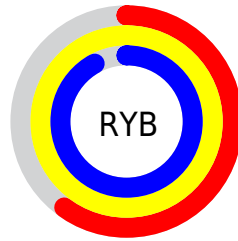
The XYZ color **58.7433, 82.7041, 43.0044** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63.7034, 47.6660, 100.4507**, and the grayscale version is **67.4563, 70.9693, 77.2856**.

A 20% lighter version of the original color is **80.1002, 93.0630, 73.4157**, and **29.8305, 45.0902, 19.1876** is the 20% darker color. If you saturate the color by 10%, you get **52.6663, 79.7892, 32.8760**, and if you desaturate by 10%, it is **65.9668, 86.1580, 55.5381**.

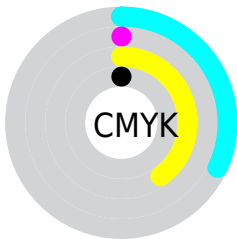
Distribution



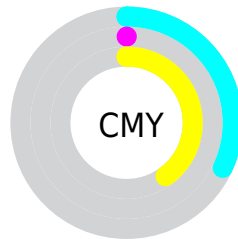
- Red (68%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (92%)



- Cyan (32%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7433, 82.7041, 43.0044 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 58.7433, 82.7041, 43.0044 by changing the saturation by 10% instead.


 58.7433, 82.7041,
43.0044


 58.7433, 82.7041,
43.0044


409.8593,
503.9998, 374.5516

 42.6521, 61.9461,
29.5571


 102.1212,
137.1610, 81.0039

 29.8056, 44.9891,
19.2535


 130.1387,
171.6286, 106.3933

 19.8384, 31.4489,
11.6749


162.8623,
211.4348, 136.6004

 12.3852, 20.9409,
6.4029

200.6573,
256.9642, 172.0438

 7.0806, 13.0808,
3.0189

243.8892,
308.6009, 213.1422

 3.5594, 7.4842,
1.1043

292.9232,

 1.4560, 3.7667,

366.7295, 260.3139

0.0000

348.1248,
431.7344, 313.9775

■ 0.2956, 1.5439,
0.0000

■ 0.0000, 0.3194,
0.0000

■ 58.7433, 82.7041,
43.0044

■ 58.7433, 82.7041,
43.0044

■ 52.6663, 79.7892,
32.8760

■ 65.9668, 86.1580,
55.5381

■ 47.6741, 77.3849,
24.9952

■ 74.3914, 90.1761,
70.6135

■ 43.7006, 75.4608,
19.1916

■ 84.0699, 94.7828,
88.3614

■ 40.6719, 73.9831,
15.2689

95.0500, 100.0000,
108.9000

■ 38.5028, 72.9131,
12.9927

■ 37.0753, 72.1981,
11.9816

■ 37.0752, 72.1980,
11.9815

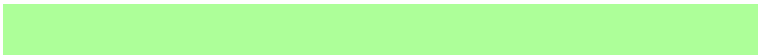
Harmonies

Analogous

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



70.3184, 82.7041, 30.2605



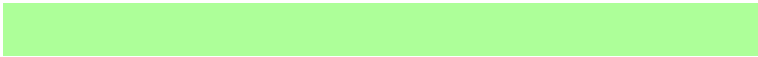
58.7433, 82.7041, 43.0044



52.8767, 82.7041, 71.6329

Triad

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



58.7433, 82.7041, 43.0044



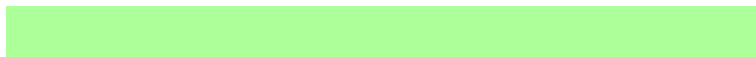
71.8820, 82.7041, 202.2186



111.0034, 82.7041, 67.6002

Complementary

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



58.7433, 82.7041, 43.0044



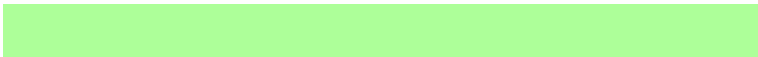
63.7034, 47.6660, 100.4507

Split Complementary

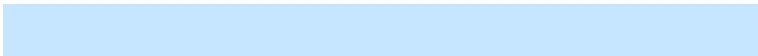
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.5683, 82.7041, 111.3823



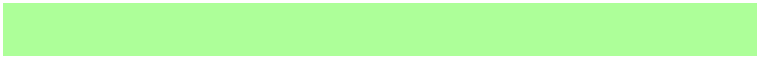
58.7433, 82.7041, 43.0044



87.5243, 82.7041, 200.0264

Square

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



58.7433, 82.7041, 43.0044



59.7570, 82.7041, 168.1173



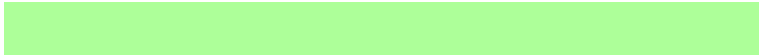
102.5106, 82.7041, 162.8585



101.0566, 82.7041, 40.8982

Rectangle

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



58.7433, 82.7041, 43.0044



52.4110, 82.7041, 100.3782



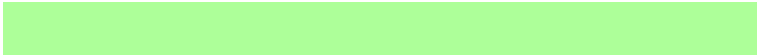
102.5106, 82.7041, 162.8585



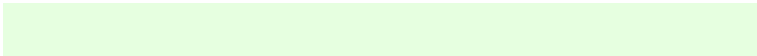
112.3385, 82.7041, 80.4571

Sweetspot

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



58.7437, 82.7043, 43.0057



82.0304, 93.8127, 84.5900



76.5841, 82.7482, 42.0738



17.2789, 19.9470, 17.5916



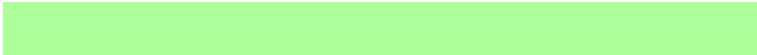
0.0000, 0.0000, 0.0000



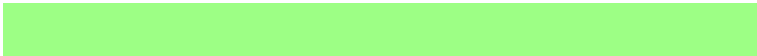
20.3446, 21.4041, 23.3091

Same Dimension

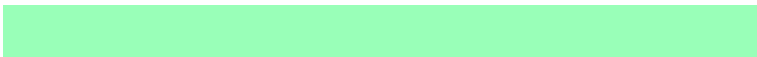
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.7437, 82.7043, 43.0057



53.7923, 80.3301, 34.7158



57.5075, 81.7366, 57.8748



18.1040, 20.3395, 19.1161



19.4663, 37.7733, 6.2650



1.9780, 3.7205, 0.6139

Inverse Universe

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



63.7034, 47.6660, 100.4507



59.3386, 40.8750, 99.3699



66.1407, 49.4470, 76.8646



18.4232, 18.1099, 22.7745



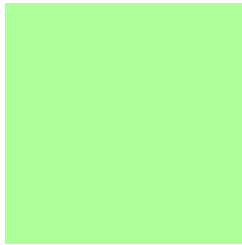
22.7110, 10.6185, 50.2871



2.2962, 1.0777, 4.9003

Previews

White Background



This preview shows how the XYZ color 58.7433, 82.7041, 43.0044 looks on a white background.

Color Contrast Check

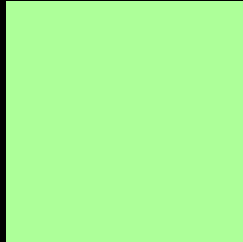
Large Text (above 18pt) WCAG AA × Fail

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 58.7433, 82.7041, 43.0044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

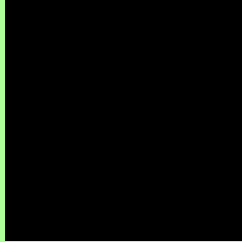
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.7433, 82.7041, 43.0044

Background



This preview shows how black text looks on a background with the XYZ color 58.7433, 82.7041, 43.0044.



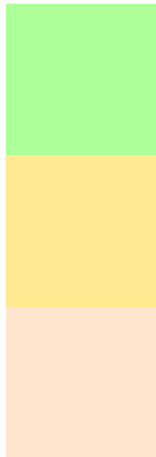
This preview shows how white text looks on a background with the XYZ color 58.7433, 82.7041,

43.0044.

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

58.7433, 82.7041, 43.0044

Protanopia

75.7737, 82.1500, 38.6509

Deuteranopia

80.2788, 81.7064, 69.2974



Tritanopia

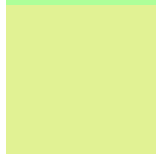
73.8387, 82.2367, 106.5893

Trichromacy



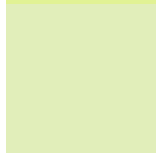
Original Color

58.7433, 82.7041, 43.0044



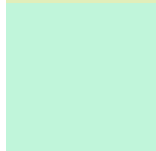
Protanomaly

68.1488, 81.6499, 40.1852



Deuteranomaly

70.4888, 80.7018, 58.3162



Tritanomaly

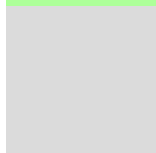
67.0455, 81.5732, 78.5412

Monochromacy



Original Color

58.7433, 82.7041, 43.0044



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.0641, 74.2099, 62.6299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7433, 82.7041, 43.0044 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(173, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(173, 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(173, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 58.7433, 82.7041, 43.0044 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(173, 255, 153) }
```


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

```
.border{ border-color:rgb(173, 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(173, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7433, 82.7041, 43.0044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 153) }
```

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

```
.background{ background-color: rgb(173,  
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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