

Converting Colors

XYZ(58.7930, 82.6909, 44.7610)

Have a look what the booklet for
XYZ(58.7930, 82.6909, 44.7610)
contains.

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Color

**XYZ(58.8591, 82.7250,
44.7636)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFF9D
RGB	172, 255, 157
RGB Percent	67%, 100%, 62%
CMY	0.3255, 0.0000, 0.3843
CMYK	0.33, 0.00, 0.38, 0.00
HSL	111°, 100%, 81%
HSV	111°, 38%, 100%
XYZ	58.8591, 82.7250, 44.7636
YIQ	219.0110, -18.0100, -48.0740

Conversions

Conversions Part 2

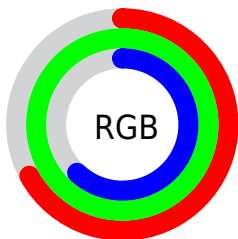
Format	Color
RYB	157, 255, 240
Decimal	11337629
CIELab	92.89, -43.19, 39.03
CIELCh	93, 58.214, 137.892
Yxy	82.7250, 0.3159, 0.4439
Android (android.graphics.Color)	4289527709 (0xFFACFF9D)
YUV	219.0110, -30.5714, -41.2286
Hunter-Lab	90.9533, -43.6546, 34.4871

Details

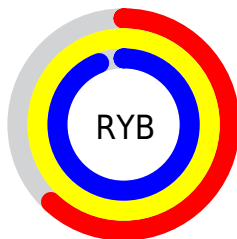
The XYZ color **58.8591, 82.7250, 44.7636** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.0432, 49.8605, 100.7509**, and the grayscale version is **67.5537, 71.0717, 77.3971**.

A 20% lighter version of the original color is **80.2768, 93.0965, 76.0257**, and **29.8952, 45.1006, 20.2264** is the 20% darker color. If you saturate the color by 10%, you get **52.5430, 79.6948, 34.2651**, and if you desaturate by 10%, it is **66.4007, 86.3345, 57.6934**.

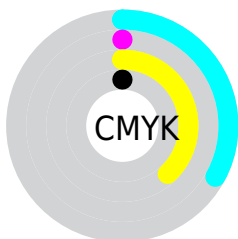
Distribution



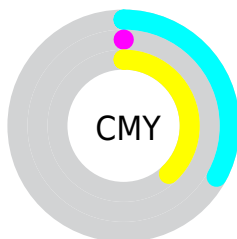
- Red (67%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (94%)



- Cyan (33%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8591, 82.7250, 44.7636 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 58.8591, 82.7250, 44.7636 by changing the saturation by 10% instead.


 58.8591, 82.7250,
44.7636


 58.8591, 82.7250,
44.7636


410.2820,
504.0696, 381.9475

 42.7456, 61.9633,
30.9297


 102.2887,
137.1902, 83.6802

 29.8792, 45.0031,
20.2873


 130.3355,
171.6626, 109.6000

 19.8946, 31.4598,
12.4179

163.0907,
211.4739, 140.3855

 12.4262, 20.9493,
6.9030

200.9199,
257.0087, 176.4553

 7.1089, 13.0869,
3.3240

244.1882,
308.6512, 218.2278

 3.5773, 7.4884,
1.2623

293.2611,

 1.4659, 3.7694,

366.7859, 266.1216

0.0306

348.5039,
431.7973, 320.5553

■ 0.3024, 1.5454,
0.0000

■ 0.0000, 0.3204,
0.0000

■ 58.8591, 82.7250,
44.7636

■ 58.8591, 82.7250,
44.7636

■ 52.5430, 79.6948,
34.2651

■ 66.4007, 86.3345,
57.6934

■ 47.3855, 77.2126,
26.0425

■ 75.2273, 90.5509,
73.1895

■ 43.3152, 75.2454,
19.9281

■ 85.3959, 95.4009,
91.3813

■ 40.2518, 73.7559,
15.7296

95.0500, 100.0000,
108.9000

■ 38.1033, 72.7017,
13.2198

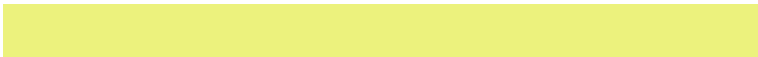
■ 36.7539, 72.0299,
12.0810

■ 36.5977, 71.9519,
11.9592

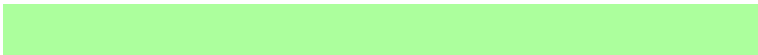
Harmonies

Analogous

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



69.9776, 82.7250, 31.5526



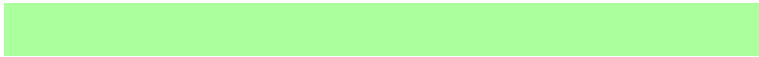
58.8591, 82.7250, 44.7636



53.3514, 82.7250, 73.6175

Triad

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



58.8591, 82.7250, 44.7636



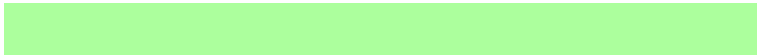
72.6495, 82.7250, 199.3418



109.8836, 82.7250, 66.7063

Complementary

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



58.8591, 82.7250, 44.7636



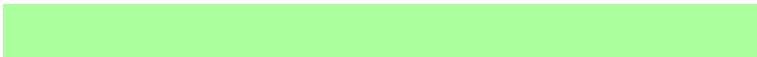
66.0432, 49.8605, 100.7509

Split Complementary

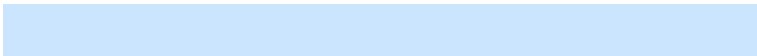
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.8416, 82.7250, 108.8153



58.8591, 82.7250, 44.7636



87.9627, 82.7250, 195.6483

Square

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



58.8591, 82.7250, 44.7636



60.5971, 82.7250, 167.6284



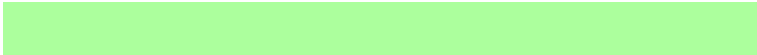
102.3903, 82.7250, 158.7441



99.9209, 82.7250, 41.1162

Rectangle

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



58.8591, 82.7250, 44.7636



53.0633, 82.7250, 102.0750



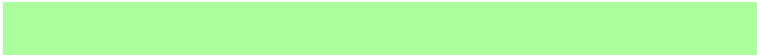
102.3903, 82.7250, 158.7441



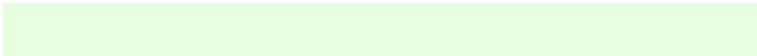
111.3120, 82.7250, 79.0516

Sweetspot

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



58.8595, 82.7252, 44.7649



81.6085, 93.5953, 84.5702



78.0952, 85.2327, 44.2350



17.1804, 19.8963, 17.5870



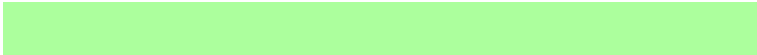
0.0000, 0.0000, 0.0000



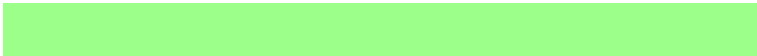
20.3446, 21.4041, 23.3091

Same Dimension

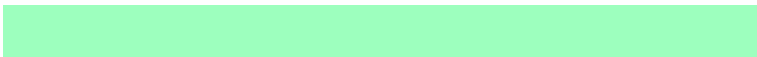
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.8595, 82.7252, 44.7649



53.9689, 80.3796, 36.6014



58.9232, 82.3916, 61.3230



18.0303, 20.3015, 19.1126



19.1997, 37.6359, 6.2525



1.9415, 3.7016, 0.6122

Inverse Universe

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



66.0432, 49.8605, 100.7509



62.0364, 43.3237, 99.7004



66.5271, 50.6668, 75.6157



18.5035, 18.1513, 22.7783



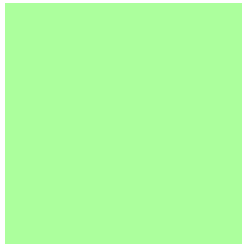
24.3277, 11.4519, 50.3628



2.4393, 1.1514, 4.9070

Previews

White Background



This preview shows how the XYZ color 58.8591, 82.7250, 44.7636 looks on a white background.

Color Contrast Check

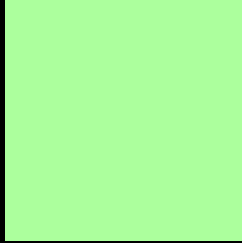
Large Text (above 18pt) WCAG AA × Fail

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 58.8591, 82.7250, 44.7636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

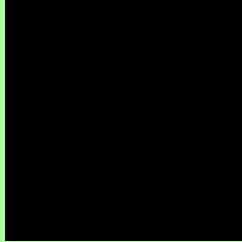
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

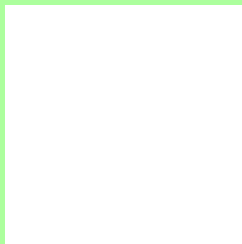
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.8591, 82.7250, 44.7636

Background



This preview shows how black text looks on a background with the XYZ color 58.8591, 82.7250, 44.7636.

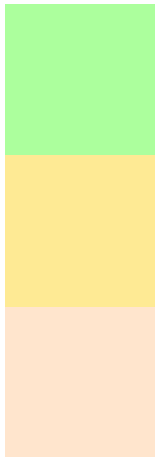


This preview shows how white text looks on a background with the XYZ color 58.8591, 82.7250,

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

58.8591, 82.7250, 44.7636

Protanopia

75.6412, 82.0546, 39.8684

Deuteranopia

80.2788, 81.7064, 69.2974



Tritanopia

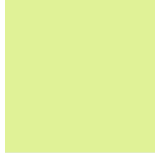
73.5672, 82.0967, 106.5766

Trichromacy



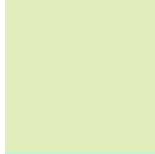
Original Color

58.8591, 82.7250, 44.7636



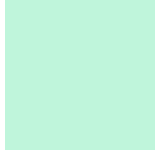
Protanomaly

68.0785, 81.5859, 41.4377



Deuteranomaly

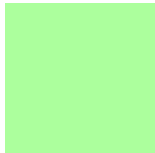
70.7030, 80.7875, 59.4440



Tritanomaly

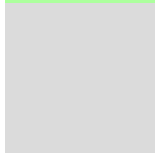
66.9244, 81.4957, 79.2208

Monochromacy



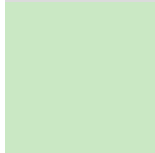
Original Color

58.8591, 82.7250, 44.7636



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.1775, 74.2553, 63.2274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8591, 82.7250, 44.7636 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(172, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 157)  
}
```

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(172, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 157) }
```

Border

The CSS property to change the border of an element to XYZ 58.8591, 82.7250, 44.7636 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(172, 255, 157) }
```


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

```
.border{ border-color:rgb(172, 255, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8591, 82.7250, 44.7636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 157) }
```

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

```
.background{ background-color: rgb(172,  
255, 157) }
```

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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