

Converting Colors

XYZ(59.7041, 82.9670, 50.9182)

Have a look what the booklet for
XYZ(59.7041, 82.9670, 50.9182)
contains.

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Color

**XYZ(59.8103, 83.0802,
50.9140)**

Conversions

Conversions Part 1

Format	Color
Hex	ABFFAA
RGB	171, 255, 170
RGB Percent	67%, 100%, 67%
CMY	0.3294, 0.0000, 0.3333
CMYK	0.33, 0.00, 0.33, 0.00
HSL	119°, 100%, 83%
HSV	119°, 33%, 100%
XYZ	59.8103, 83.0802, 50.9140
YIQ	220.1940, -22.7790, -44.2430

Conversions

Conversions Part 2

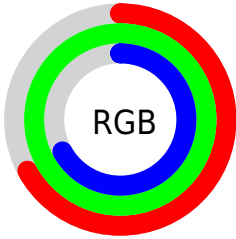
Format	Color
RYB	170, 255, 254
Decimal	11272106
CIELab	93.05, -41.58, 32.78
CIELCh	93, 52.945, 141.745
Yxy	83.0802, 0.3086, 0.4287
Android (android.graphics.Color)	4289462186 (0xFFABFFAA)
YUV	220.1940, -24.7456, -43.1431
Hunter-Lab	91.1483, -42.3803, 30.6854

Details

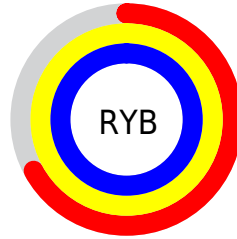
The XYZ color **59.8103, 83.0802, 50.9140** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **73.2988, 57.0416, 101.7546**, and the grayscale version is **68.3415, 71.9006, 78.2997**.

A 20% lighter version of the original color is **81.4824, 93.5050, 85.7052**, and **30.4752, 45.3174, 23.9705** is the 20% darker color. If you saturate the color by 10%, you get **52.6512, 79.6418, 39.1848**, and if you desaturate by 10%, it is **68.4847, 87.2457, 65.1588**.

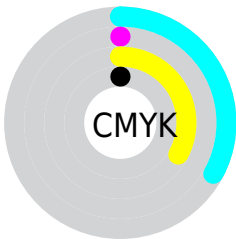
Distribution



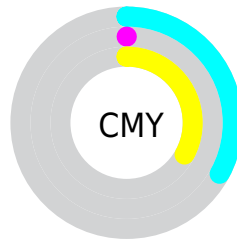
- Red (67%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.8103, 83.0802, 50.9140 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 59.8103, 83.0802, 50.9140 by changing the saturation by 10% instead.

■ 59.8103, 83.0802,
50.9140

■ 59.8103, 83.0802,
50.9140

413.7441,
505.2538, 407.0666

■ 43.5146, 62.2563,
35.7639

■ 103.6623,
137.6878, 92.9378

■ 30.4854, 45.2398,
23.9637

131.9494,
172.2403, 120.6487

■ 20.3572, 31.6464,
15.0947

164.9644,
212.1377, 153.3835

■ 12.7647, 21.0915,
8.7385

203.0725,
257.7646, 191.5609

■ 7.3426, 13.1909,
4.4766

246.6392,
309.5052, 235.5993

■ 3.7255, 7.5602,
1.8903

296.0298,

■ 1.5480, 3.8148,

367.7440, 285.9174

0.4865

351.6096,
432.8654, 342.9336

■ 0.3582, 1.5705,
0.0000

■ 0.0000, 0.3376,
0.0000

■ 59.8103, 83.0802,
50.9140

■ 59.8103, 83.0802,
50.9140

■ 52.6512, 79.6418,
39.1848

■ 68.4847, 87.2457,
65.1588

■ 46.9192, 76.8881,
29.8216

■ 78.7529, 92.1759,
82.0495

■ 42.5191, 74.7736,
22.6648

■ 90.6896, 97.9067,
101.7119

■ 39.3437, 73.2469,
17.5337

95.0500, 100.0000,
108.9000

■ 37.2691, 72.2487,
14.2191

■ 36.1456, 71.7071,
12.4662

■ 35.7975, 71.5393,
11.9218

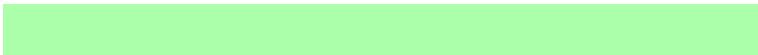
Harmonies

Analogous

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



69.4864, 83.0802, 36.4253



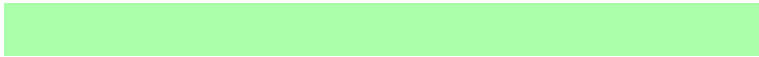
59.8103, 83.0802, 50.9140



55.3923, 83.0802, 79.9253

Triad

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



59.8103, 83.0802, 50.9140



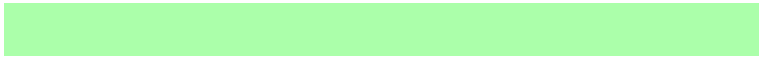
75.1956, 83.0802, 189.1224



106.4337, 83.0802, 64.9995

Complementary

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



59.8103, 83.0802, 50.9140



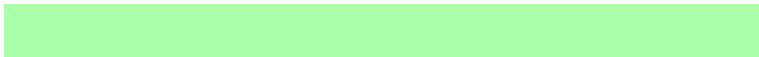
73.2988, 57.0416, 101.7546

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.



108.4255, 83.0802, 101.8824



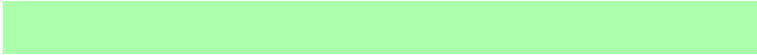
59.8103, 83.0802, 50.9140



89.2691, 83.0802, 181.6273

Square

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



59.8103, 83.0802, 50.9140



63.5691, 83.0802, 164.7179



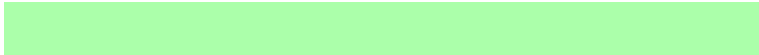
101.8269, 83.0802, 146.5062



96.6659, 83.0802, 42.7422

Rectangle

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



59.8103, 83.0802, 50.9140



55.6154, 83.0802, 106.9245



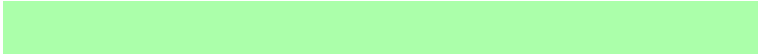
101.8269, 83.0802, 146.5062



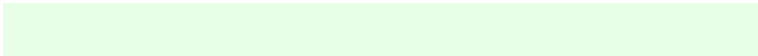
108.0773, 83.0802, 75.7793

Sweetspot

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



59.8108, 83.0804, 50.9153



82.5416, 93.9950, 88.2877



83.8057, 94.7819, 51.9092



17.3204, 19.9522, 18.3260



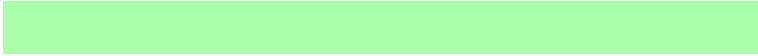
0.0000, 0.0000, 0.0000



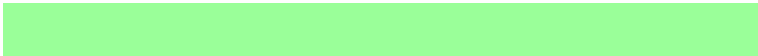
20.3446, 21.4041, 23.3091

Same Dimension

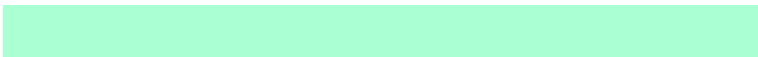
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.8108, 83.0804, 50.9153



54.8740, 80.7094, 42.8233



64.1066, 84.7737, 74.6679



17.7913, 20.1783, 19.1014



18.7135, 37.3852, 6.2298



1.8287, 3.6435, 0.6069

Inverse Universe

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



73.2988, 57.0416, 101.7546



70.2417, 51.0359, 100.7565



67.7423, 54.8613, 70.5823



18.7704, 18.2889, 22.7907



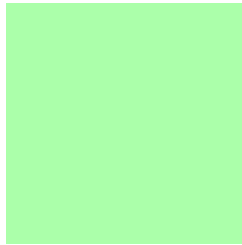
30.4186, 14.5918, 50.6479



2.9683, 1.4241, 4.9317

Previews

White Background



This preview shows how the XYZ color 59.8103, 83.0802, 50.9140 looks on a white background.

Color Contrast Check

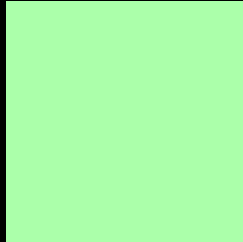
Large Text (above 18pt) WCAG AA × Fail

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 59.8103, 83.0802, 50.9140 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 59.8103, 83.0802, 50.9140

Background



This preview shows how black text looks on a background with the XYZ color 59.8103, 83.0802, 50.9140.



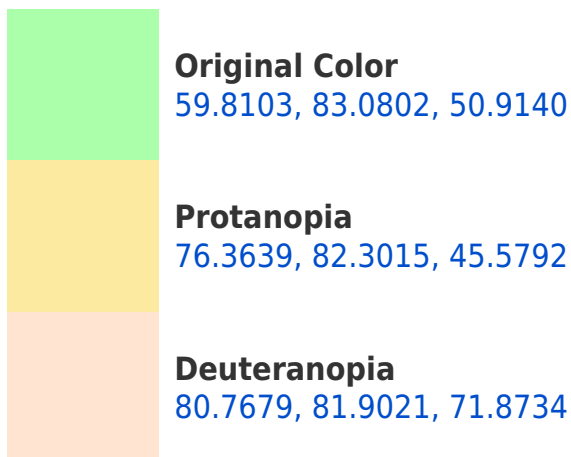
This preview shows how white text looks on a background with the XYZ color 59.8103, 83.0802,

50.9140.

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





Tritanopia

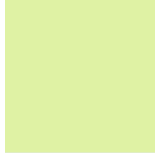
74.1339, 82.8271, 106.6877

Trichromacy



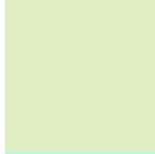
Original Color

59.8103, 83.0802, 50.9140



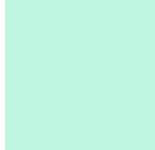
Protanomaly

68.8844, 81.8726, 47.2944



Deuteranomaly

71.1653, 80.9365, 63.5013



Tritanomaly

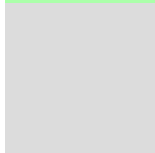
67.8962, 82.3697, 82.8414

Monochromacy



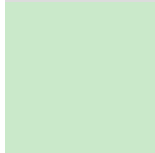
Original Color

59.8103, 83.0802, 50.9140



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.1567, 75.0987, 66.9912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8103, 83.0802, 50.9140 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(171, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 170)  
}
```

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(171, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 170) }
```

Border

The CSS property to change the border of an element to XYZ 59.8103, 83.0802, 50.9140 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(171, 255, 170) }
```


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

```
.border{ border-color:rgb(171, 255, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8103, 83.0802, 50.9140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 170) }
```

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

```
.background{ background-color: rgb(171,  
255, 170) }
```

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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