

Converting Colors

XYZ(59.8592, 83.0961, 51.3397)

Have a look what the booklet for
XYZ(59.8592, 83.0961, 51.3397)
contains.

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Color

**XYZ(59.9053, 83.1182,
51.4142)**

Conversions

Conversions Part 1

Format	Color
Hex	ABFFAB
RGB	171, 255, 171
RGB Percent	67%, 100%, 67%
CMY	0.3294, 0.0000, 0.3294
CMYK	0.33, 0.00, 0.33, 0.00
HSL	120°, 100%, 84%
HSV	120°, 33%, 100%
XYZ	59.9053, 83.1182, 51.4142
YIQ	220.3080, -23.1000, -43.9320

Conversions

Conversions Part 2

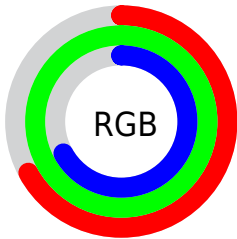
Format	Color
RYB	171, 255, 255
Decimal	11272107
CIELab	93.07, -41.42, 32.30
CIElCh	93, 52.528, 142.050
Yxy	83.1182, 0.3081, 0.4275
Android (android.graphics.Color)	4289462187 (0xFFABFFAB)
YUV	220.3080, -24.3088, -43.2431
Hunter-Lab	91.1692, -42.2576, 30.3823

Details

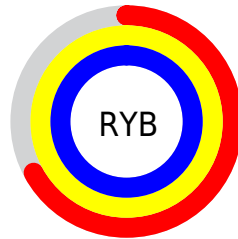
The XYZ color **59.9053, 83.1182, 51.4142** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **73.8529, 57.6062, 101.8332**, and the grayscale version is **68.4185, 71.9816, 78.3879**.

A 20% lighter version of the original color is **81.6200, 93.5600, 86.4301**, and **30.6666, 45.4092, 24.2881** is the 20% darker color. If you saturate the color by 10%, you get **52.6753, 79.6453, 39.5887**, and if you desaturate by 10%, it is **68.6767, 87.3315, 65.7618**.

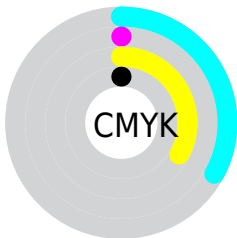
Distribution



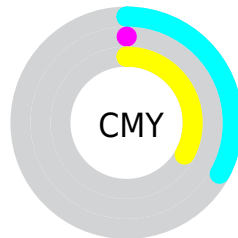
- Red (67%)
- Green (100%)
- Blue (67%)



- 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 59.9053, 83.1182, 51.4142 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 59.9053, 83.1182, 51.4142 by changing the saturation by 10% instead.


 59.9053, 83.1182,
51.4142

 59.9053, 83.1182,
51.4142


414.0890,
505.3804, 409.0633

 43.5915, 62.2877,
36.1593


 103.7994,
137.7410, 93.6845

 30.5460, 45.2652,
24.2666


132.1104,
172.3020, 121.5370

 20.4035, 31.6664,
15.3175


165.1512,
212.2087, 154.4258

 12.7987, 21.1068,
8.8934

203.2871,
257.8454, 192.7695

 7.3661, 13.2021,
4.5759

246.8834,
309.5966, 236.9865

 3.7404, 7.5678,
1.9463

296.3056,

 1.5564, 3.8197,

367.8465, 287.4955

0.5219

351.9190,
432.9796, 344.7149

■ 0.3637, 1.5732,
0.0000

■ 0.0000, 0.3394,
0.0000

■ 59.9053, 83.1182,
51.4142

■ 59.9053, 83.1182,
51.4142

■ 52.6753, 79.6453,
39.5887

■ 68.6767, 87.3315,
65.7618

■ 46.8963, 76.8693,
30.1360

■ 79.0697, 92.3238,
82.7614

■ 42.4707, 74.7435,
22.8971

■ 91.1608, 98.1318,
102.5386

■ 39.2886, 73.2150,
17.6921

95.0500, 100.0000,
108.9000

■ 37.2228, 72.2226,
14.3129

■ 36.1187, 71.6923,
12.5068

■ 35.7600, 71.5200,
11.9201

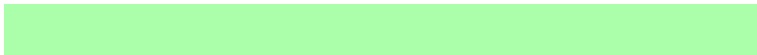
Harmonies

Analogous

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



69.4711, 83.1182, 36.8363



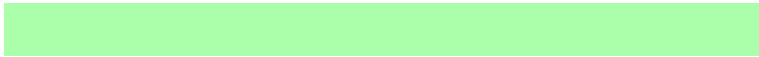
59.9053, 83.1182, 51.4142



55.5696, 83.1182, 80.4116

Triad

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



59.9053, 83.1182, 51.4142



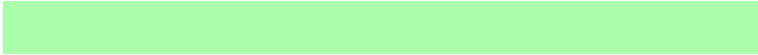
75.3948, 83.1182, 188.3102



106.1757, 83.1182, 64.9114

Complementary

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



59.9053, 83.1182, 51.4142



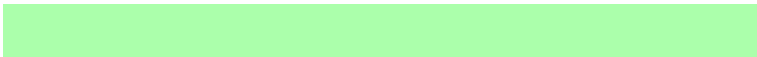
73.8529, 57.6062, 101.8332

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.



108.2378, 83.1182, 101.4022



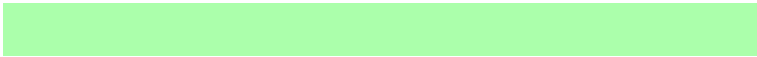
59.9053, 83.1182, 51.4142



89.3656, 83.1182, 180.5661

Square

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



59.9053, 83.1182, 51.4142



63.8091, 83.1182, 164.4459



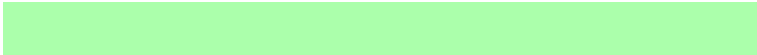
101.7771, 83.1182, 145.6135



96.4317, 83.1182, 42.9033

Rectangle

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



59.9053, 83.1182, 51.4142



55.8301, 83.1182, 107.2752



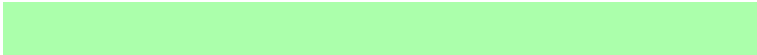
101.7771, 83.1182, 145.6135



107.8325, 83.1182, 75.5744

Sweetspot

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



59.9058, 83.1184, 51.4155



82.4457, 93.9455, 88.2836



84.3508, 95.7203, 52.5588



17.2975, 19.9404, 18.3250



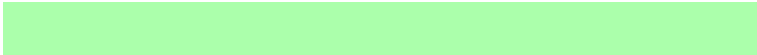
0.0000, 0.0000, 0.0000



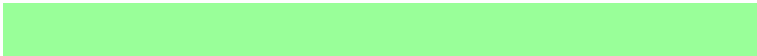
20.3446, 21.4041, 23.3091

Same Dimension

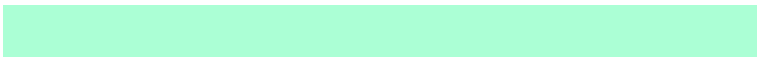
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.9058, 83.1184, 51.4155



54.6468, 80.5923, 42.8134



64.5652, 84.9822, 75.9515



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



73.8529, 57.6062, 101.8332



70.6810, 51.2624, 100.7757



67.8135, 55.1904, 70.0299



18.7927, 18.3004, 22.7917



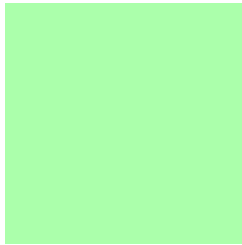
30.9800, 14.8813, 50.6723



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 59.9053, 83.1182, 51.4142 looks on a white background.

Color Contrast Check

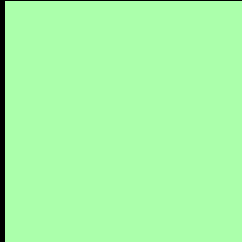
Large Text (above 18pt) WCAG AA × Fail

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 59.9053, 83.1182, 51.4142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

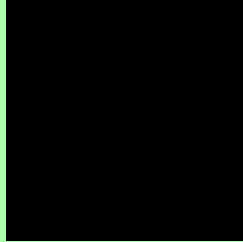
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.9053, 83.1182, 51.4142

Background



This preview shows how black text looks on a background with the XYZ color 59.9053, 83.1182, 51.4142.

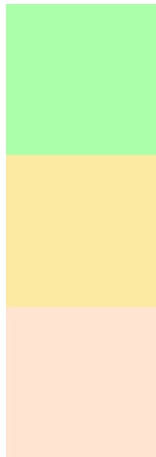


This preview shows how white text looks on a background with the XYZ color 59.9053, 83.1182,

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

59.9053, 83.1182, 51.4142

Protanopia

76.4524, 82.3369, 46.0456

Deuteranopia

80.7679, 81.9021, 71.8734



Tritanopia

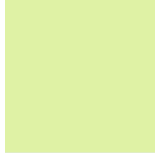
74.1339, 82.8271, 106.6877

Trichromacy



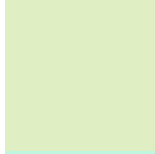
Original Color

59.9053, 83.1182, 51.4142



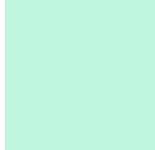
Protanomaly

68.9751, 81.9088, 47.7719



Deuteranomaly

71.1653, 80.9365, 63.5013



Tritanomaly

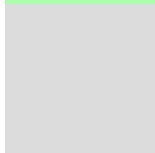
67.8962, 82.3697, 82.8414

Monochromacy



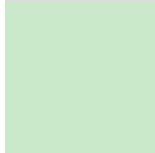
Original Color

59.9053, 83.1182, 51.4142



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 59.9053, 83.1182, 51.4142 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, 171)` looks like.

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

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, 171) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 59.9053, 83.1182, 51.4142 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, 171) }
```


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

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

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, 171)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 59.9053, 83.1182, 51.4142 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, 171) }
```

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

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

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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