

Converting Colors

XYZ(59.6184, 83.1127, 44.9665)

Have a look what the booklet for
XYZ(59.6184, 83.1127, 44.9665)
contains.

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Color

**XYZ(59.5250, 83.0683,
44.7948)**

Conversions

Conversions Part 1

Format	Color
Hex	AFFF9D
RGB	175, 255, 157
RGB Percent	69%, 100%, 62%
CMY	0.3137, 0.0000, 0.3843
CMYK	0.31, 0.00, 0.38, 0.00
HSL	109°, 100%, 81%
HSV	109°, 38%, 100%
XYZ	59.5250, 83.0683, 44.7948
YIQ	219.9080, -16.2220, -47.4380

Conversions

Conversions Part 2

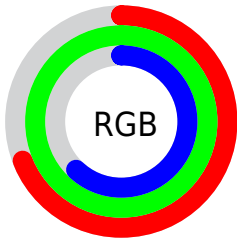
Format	Color
RYB	157, 255, 237
Decimal	11534237
CIELab	93.04, -42.24, 39.26
CIELCh	93, 57.664, 137.092
Yxy	83.0683, 0.3177, 0.4433
Android (android.graphics.Color)	4289724317 (0xFFAFF9D)
YUV	219.9080, -31.0136, -39.3843
Hunter-Lab	91.1418, -42.9193, 34.6591

Details

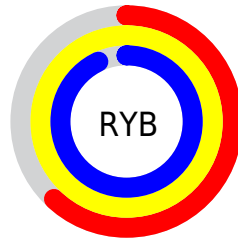
The XYZ color **59.5250, 83.0683, 44.7948** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **65.0332, 49.3398, 100.7037**, and the grayscale version is **68.1806, 71.7313, 78.1154**.

A 20% lighter version of the original color is **81.2479, 93.5971, 76.0712**, and **30.3005, 45.3096, 20.2453** is the 20% darker color. If you saturate the color by 10%, you get **53.2524, 80.0605, 34.2984**, and if you desaturate by 10%, it is **66.9731, 86.6295, 57.7202**.

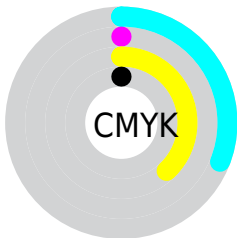
Distribution



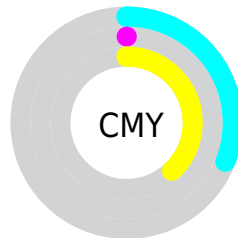
- Red (69%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (93%)



- Cyan (31%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5250, 83.0683, 44.7948 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 59.5250, 83.0683, 44.7948 by changing the saturation by 10% instead.


 59.5250, 83.0683,
44.7948


 59.5250, 83.0683,
44.7948


412.7076,
505.2141, 382.0777

 43.2839, 62.2465,
30.9541


 103.2506,
137.6711, 83.7276

 30.3034, 45.2319,
20.3057


 131.4658,
172.2209, 109.6567

 20.2182, 31.6401,
12.4312


164.4030,
212.1155, 140.4524

 12.6629, 21.0868,
6.9119

202.4277,
257.7393, 176.5331

 7.2723, 13.1874,
3.3295

245.9051,
309.4766, 218.3175

 3.6808, 7.5577,
1.2652

295.2006,

 1.5232, 3.8133,

367.7120, 266.2240

0.0330

350.6797,
432.8297, 320.6712

0.3415, 1.5697,
0.0000

0.0000, 0.3370,
0.0000

59.5250, 83.0683,
44.7948

59.5250, 83.0683,
44.7948

53.2524, 80.0605,
34.2984

66.9731, 86.6295,
57.7202

48.0926, 77.5772,
26.0756

75.6522, 90.7699,
73.2094

43.9790, 75.5876,
19.9591

85.6158, 95.5142,
91.3916

40.8367, 74.0575,
15.7570

95.0500, 100.0000,
108.9000

■ 38.5805, 72.9477,
13.2422

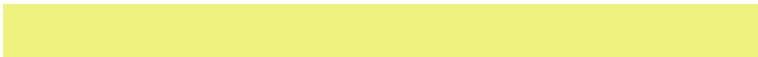
■ 37.1023, 72.2094,
12.0973

■ 36.9246, 72.1204,
11.9745

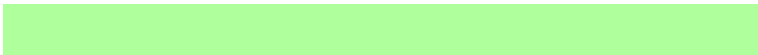
Harmonies

Analogous

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



70.7176, 83.0683, 31.9412



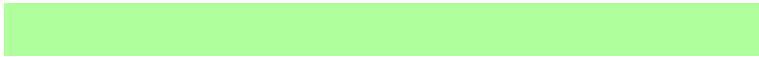
59.5250, 83.0683, 44.7948



53.8813, 83.0683, 73.1007

Triad

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



59.5250, 83.0683, 44.7948



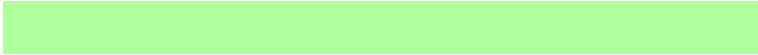
72.6387, 83.0683, 198.2357



110.1141, 83.0683, 68.1263

Complementary

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



59.5250, 83.0683, 44.7948



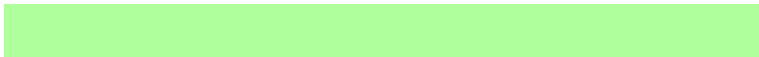
65.0332, 49.3398, 100.7037

Split Complementary

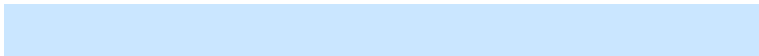
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.8009, 83.0683, 110.3414



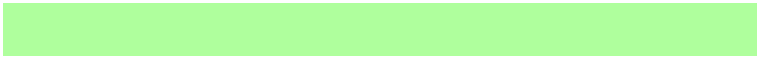
59.5250, 83.0683, 44.7948



87.8061, 83.0683, 195.5944

Square

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



59.5250, 83.0683, 44.7948



60.7762, 83.0683, 166.1229



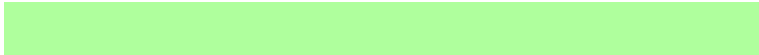
102.2080, 83.0683, 159.7630



100.4367, 83.0683, 42.1592

Rectangle

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



59.5250, 83.0683, 44.7948



53.4854, 83.0683, 101.1159



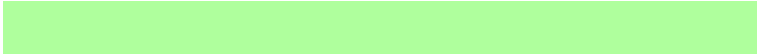
102.2080, 83.0683, 159.7630



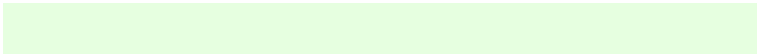
111.4440, 83.0683, 80.5568

Sweetspot

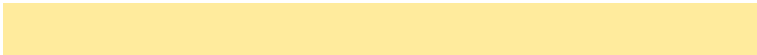
The Sweet Spot groups the original color and five complimentary colors.



59.5254, 83.0685, 44.7961



81.9084, 93.7498, 84.5843



77.1492, 83.3407, 43.9197



17.2504, 19.9324, 17.5903



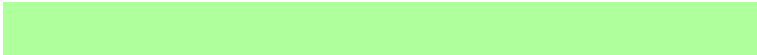
0.0000, 0.0000, 0.0000



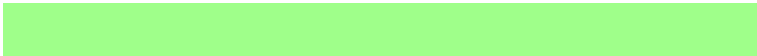
20.3446, 21.4041, 23.3091

Same Dimension

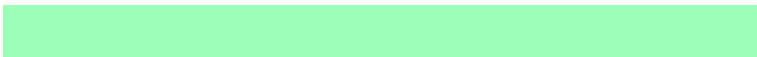
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.5254, 83.0685, 44.7961



54.6721, 80.7421, 36.6343



58.5709, 82.2507, 59.4677



18.0827, 20.3285, 19.1151



19.3827, 37.7302, 6.2611



1.9669, 3.7147, 0.6133

Inverse Universe

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



65.0332, 49.3398, 100.7037



60.8492, 42.7117, 99.6448



66.9702, 50.8440, 77.9488



18.4463, 18.1218, 22.7756



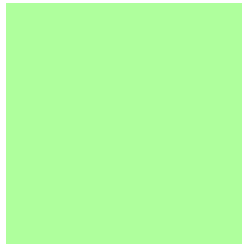
23.1661, 10.8531, 50.3084



2.3366, 1.0985, 4.9021

Previews

White Background



This preview shows how the XYZ color 59.5250, 83.0683, 44.7948 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 59.5250, 83.0683, 44.7948 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 59.5250, 83.0683, 44.7948

Background



This preview shows how black text looks on a background with the XYZ color 59.5250, 83.0683, 44.7948.



This preview shows how white text looks on a background with the XYZ color 59.5250, 83.0683,

44.7948.

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

59.5250, 83.0683, 44.7948

Protanopia

76.0876, 82.2756, 40.3043

Deuteranopia

80.7993, 82.3586, 70.6697



Tritanopia

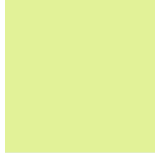
74.3869, 82.5193, 106.6150

Trichromacy



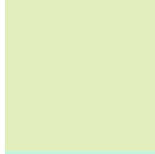
Original Color

59.5250, 83.0683, 44.7948



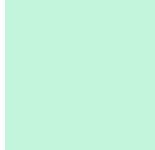
Protanomaly

68.7837, 81.9400, 41.8965



Deuteranomaly

71.4158, 81.5759, 60.1258



Tritanomaly

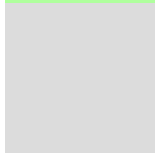
67.6867, 81.8886, 79.2564

Monochromacy



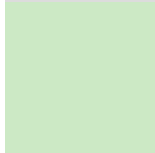
Original Color

59.5250, 83.0683, 44.7948



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.1188, 75.1464, 63.9486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5250, 83.0683, 44.7948 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(175, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 157) }
```

Border

The CSS property to change the border of an element to XYZ 59.5250, 83.0683, 44.7948 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(175, 255, 157) }
```


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

```
.border{ border-color:rgb(175, 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(175, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5250, 83.0683, 44.7948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 157) }
```

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

```
.background{ background-color: rgb(175,  
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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