

Converting Colors

XYZ(61.4385, 83.9421, 49.9709)

Have a look what the booklet for
XYZ(61.4385, 83.9421, 49.9709)
contains.

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Color

**XYZ(61.4183, 83.9309,
50.0090)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFA8
RGB	179, 255, 168
RGB Percent	70%, 100%, 66%
CMY	0.2980, 0.0000, 0.3412
CMYK	0.30, 0.00, 0.34, 0.00
HSL	112°, 100%, 83%
HSV	112°, 34%, 100%
XYZ	61.4183, 83.9309, 50.0090
YIQ	222.3580, -17.3690, -43.1690

Conversions

Conversions Part 2

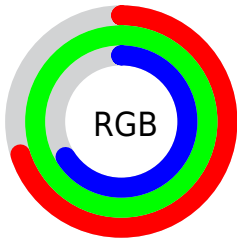
Format	Color
RYB	168, 255, 244
Decimal	11796392
CIELab	93.42, -39.37, 34.35
CIELCh	93, 52.245, 138.897
Yxy	83.9309, 0.3144, 0.4296
Android (android.graphics.Color)	4289986472 (0xFFB3FFA8)
YUV	222.3580, -26.7985, -38.0250
Hunter-Lab	91.6138, -40.6570, 31.7652

Details

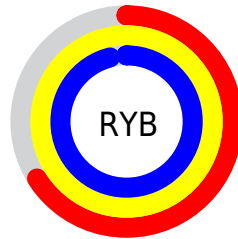
The XYZ color **61.4183, 83.9309, 50.0090** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **69.3620, 54.4596, 101.4637**, and the grayscale version is **69.8763, 73.5153, 80.0582**.

A 20% lighter version of the original color is **84.1396, 94.9063, 84.4051**, and **31.6008, 45.9111, 23.4158** is the 20% darker color. If you saturate the color by 10%, you get **54.5313, 80.6286, 38.4783**, and if you desaturate by 10%, it is **69.6038, 87.8487, 64.0345**.

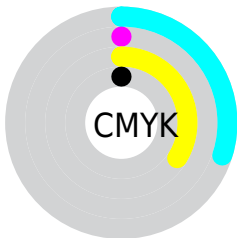
Distribution



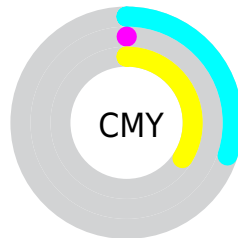
- Red (70%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (96%)



- Cyan (30%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4183, 83.9309, 50.0090 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 61.4183, 83.9309, 50.0090 by changing the saturation by 10% instead.

61.4183, 83.9309,
50.0090

61.4183, 83.9309,
50.0090

419.5575,
508.0837, 403.4372

44.8167, 62.9584,
35.0493

105.9791,
138.8785, 91.5847

31.5137, 45.8075,
23.4170

134.6689,
173.6224, 119.0377

21.1441, 32.0940,
14.6935

168.1188,
213.7255, 151.4923

13.3424, 21.4333,
8.4604

206.6942,
259.5723, 189.3670

7.7434, 13.4411,
4.2989

250.7604,
311.5471, 233.0802

3.9816, 7.7330,
1.7907

300.6828,

1.6917, 3.9246,

370.0344, 283.0507

0.4218

356.8267,
435.4185, 339.6968

0.4511, 1.6315,
0.0000

0.0000, 0.3787,
0.0000

61.4183, 83.9309,
50.0090

61.4183, 83.9309,
50.0090

54.5313, 80.6286,
38.4783

69.6038, 87.8487,
64.0345

48.8742, 77.9097,
29.2926

79.1488, 92.4106,
80.6851

44.3741, 75.7401,
22.2921

90.1119, 97.6443,
100.0865

40.9498, 74.0818,
17.2956

95.0500, 100.0000,
108.9000

■ 38.5091, 72.8920,
14.0925

■ 36.9436, 72.1202,
12.4255

■ 36.3631, 71.8309,
11.9482

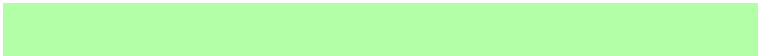
Harmonies

Analogous

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



71.4920, 83.9309, 36.7315



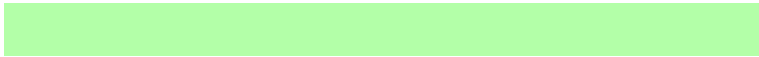
61.4183, 83.9309, 50.0090



56.4848, 83.9309, 77.5320

Triad

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



61.4183, 83.9309, 50.0090



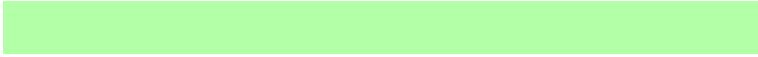
74.7769, 83.9309, 187.9699



107.5758, 83.9309, 68.9361

Complementary

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



61.4183, 83.9309, 50.0090



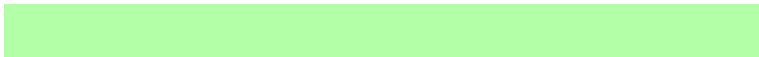
69.3620, 54.4596, 101.4637

Split Complementary

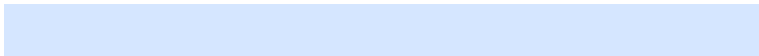
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.7184, 83.9309, 106.8003



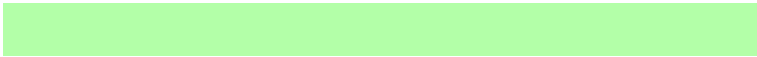
61.4183, 83.9309, 50.0090



88.6716, 83.9309, 183.6824

Square

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



61.4183, 83.9309, 50.0090



63.5839, 83.9309, 161.3673



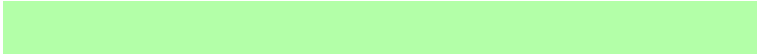
101.4643, 83.9309, 150.9382



98.5020, 83.9309, 45.2834

Rectangle

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



61.4183, 83.9309, 50.0090



56.3441, 83.9309, 103.6396



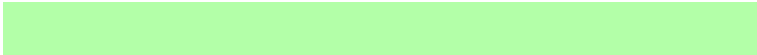
101.4643, 83.9309, 150.9382



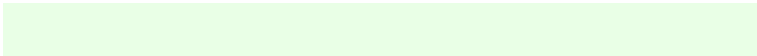
108.9363, 83.9309, 80.1393

Sweetspot

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



61.4187, 83.9311, 50.0103



83.4869, 94.4823, 88.3320



80.4787, 88.4283, 49.8738



17.5468, 20.0690, 18.3366



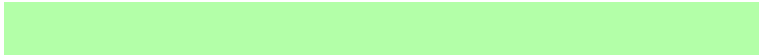
0.0000, 0.0000, 0.0000



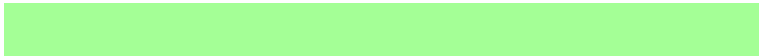
20.3446, 21.4041, 23.3091

Same Dimension

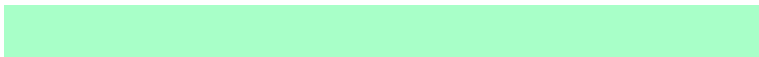
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.4187, 83.9311, 50.0103



56.5426, 81.5937, 41.8136



62.3228, 84.0107, 67.5143



17.9849, 20.2781, 19.1105



19.0663, 37.5671, 6.2463



1.9202, 3.6907, 0.6112

Inverse Universe

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



69.3620, 54.4596, 101.4637



65.5717, 48.0154, 100.4196



68.5760, 54.5994, 76.8078



18.5534, 18.1770, 22.7806



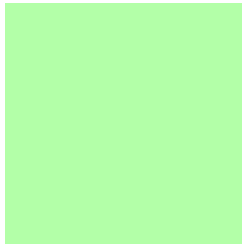
25.3831, 11.9959, 50.4122



2.5320, 1.1992, 4.9113

Previews

White Background



This preview shows how the XYZ color 61.4183, 83.9309, 50.0090 looks on a white background.

Color Contrast Check

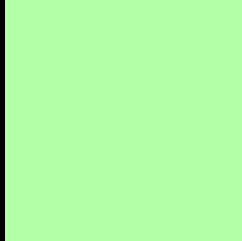
Large Text (above 18pt) WCAG AA × Fail

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 61.4183, 83.9309, 50.0090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

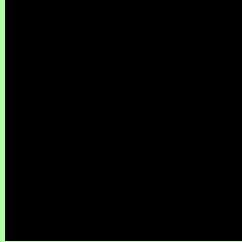
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

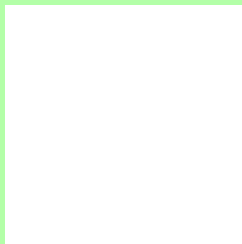
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.4183, 83.9309, 50.0090

Background



This preview shows how black text looks on a background with the XYZ color 61.4183, 83.9309, 50.0090.



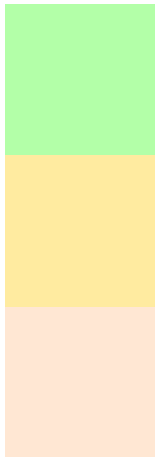
This preview shows how white text looks on a background with the XYZ color 61.4183, 83.9309,

50.0090.

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

61.4183, 83.9309, 50.0090

Protanopia

77.2935, 83.2147, 45.2460

Deuteranopia

81.5738, 83.1150, 73.3714



Tritanopia

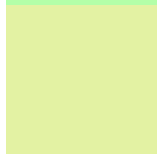
75.5177, 83.5405, 106.7525

Trichromacy



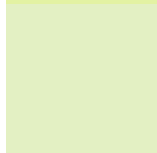
Original Color

61.4183, 83.9309, 50.0090



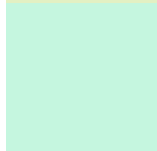
Protanomaly

70.0415, 82.4795, 46.8789



Deuteranomaly

72.6890, 82.5912, 63.7403



Tritanomaly

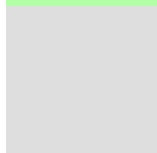
69.3010, 83.1096, 82.2012

Monochromacy



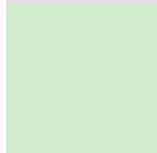
Original Color

61.4183, 83.9309, 50.0090



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

65.5371, 76.2317, 67.1371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.4183, 83.9309, 50.0090 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(179, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 168)  
}
```

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(179, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 168) }
```

Border

The CSS property to change the border of an element to XYZ 61.4183, 83.9309, 50.0090 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(179, 255, 168) }
```


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

```
.border{ border-color:rgb(179, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 61.4183, 83.9309, 50.0090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 168) }
```

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

```
.background{ background-color: rgb(179,  
255, 168) }
```

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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