

Converting Colors

XYZ(66.2249, 94.1240, 45.4542)

Have a look what the booklet for
XYZ(66.2249, 94.1240, 45.4542)
contains.

XYZ(61.1212, 83.9204, 43.5487)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(61.1212, 83.9204,
43.5487)**

Conversions

Conversions Part 1

Format	Color
Hex	B7FF9A
RGB	183, 255, 154
RGB Percent	72%, 100%, 60%
CMY	0.2824, 0.0000, 0.3961
CMYK	0.28, 0.00, 0.40, 0.00
HSL	103°, 100%, 80%
HSV	103°, 40%, 100%
XYZ	61.1212, 83.9204, 43.5487
YIQ	221.9580, -10.4910, -46.6750

Conversions

Conversions Part 2

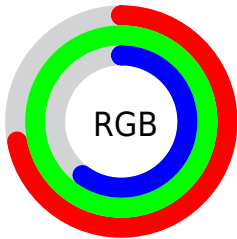
Format	Color
RYB	154, 255, 226
Decimal	12058522
CIELab	93.42, -40.05, 41.29
CIElCh	93, 57.522, 134.123
Yxy	83.9204, 0.3241, 0.4450
Android (android.graphics.Color)	4290248602 (0xFFB7FF9A)
YUV	221.9580, -33.5033, -34.1662
Hunter-Lab	91.6081, -41.2184, 35.9403

Details

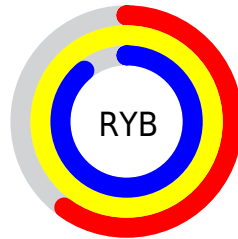
The XYZ color **61.1212, 83.9204, 43.5487** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **60.9708, 46.5013, 100.3699**, and the grayscale version is **69.6356, 73.2620, 79.7824**.

A 20% lighter version of the original color is **83.5443, 94.8242, 74.2213**, and **31.2954, 45.8398, 19.5104** is the 20% darker color. If you saturate the color by 10%, you get **55.1695, 81.0721, 33.3368**, and if you desaturate by 10%, it is **68.0833, 87.2374, 56.1651**.

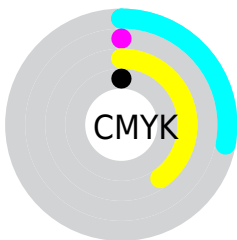
Distribution



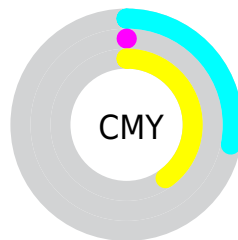
- Red (72%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (89%)



- Cyan (28%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.1212, 83.9204, 43.5487 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 61.1212, 83.9204, 43.5487 by changing the saturation by 10% instead.


 61.1212, 83.9204,
43.5487


 61.1212, 83.9204,
43.5487


418.4871,
508.0489, 376.8508

 44.5759, 62.9497,
29.9813


 105.5515,
138.8638, 81.8334

 31.3234, 45.8005,
19.5725


 134.1673,
173.6054, 107.3878

 20.9982, 32.0884,
11.9037


167.5372,
213.7060, 137.7750

 13.2352, 21.4291,
6.5564

206.0266,
259.5500, 173.4134

 7.6688, 13.4380,
3.1120

250.0010,
311.5220, 214.7217

 3.9338, 7.7308,
1.1521

299.8256,

 1.6647, 3.9232,

370.0061, 262.1183

0.0000

355.8659,
435.3870, 316.0218

■ 0.4340, 1.6307,
0.0000

■ 0.0000, 0.3782,
0.0000

■ 61.1212, 83.9204,
43.5487

■ 61.1212, 83.9204,
43.5487

■ 55.1695, 81.0721,
33.3368

■ 68.0833, 87.2374,
56.1651

■ 50.1771, 78.6695,
25.3728

■ 76.1010, 91.0435,
71.3217

■ 46.0896, 76.6883,
19.4878

■ 85.2181, 95.3585,
89.1483

■ 42.8460, 75.1014,
15.4870

95.0500, 100.0000,
108.9000

■ 40.3765, 73.8777,
13.1388

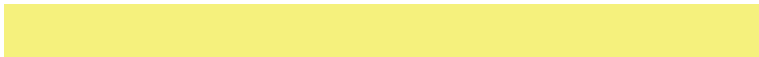
■ 38.5841, 72.9752,
12.0808

■ 38.5239, 72.9449,
12.0493

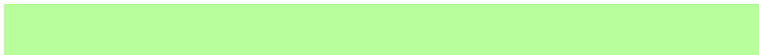
Harmonies

Analogous

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



72.8521, 83.9204, 31.9227



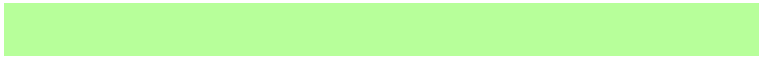
61.1212, 83.9204, 43.5487



54.8560, 83.9204, 70.3630

Triad

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



61.1212, 83.9204, 43.5487



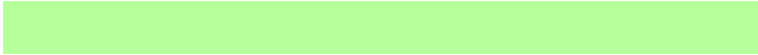
72.0429, 83.9204, 197.6564



111.5470, 83.9204, 72.4594

Complementary

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



61.1212, 83.9204, 43.5487



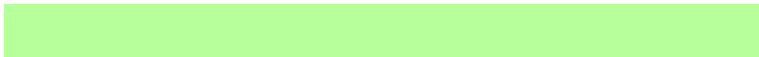
60.9708, 46.5013, 100.3699

Split Complementary

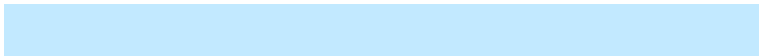
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.2582, 83.9204, 116.2020



61.1212, 83.9204, 43.5487



87.0994, 83.9204, 198.7659

Square

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



61.1212, 83.9204, 43.5487



60.5938, 83.9204, 162.7952



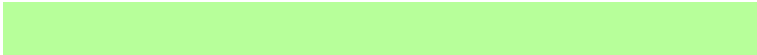
101.8572, 83.9204, 165.4680



102.6024, 83.9204, 44.6617

Rectangle

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



61.1212, 83.9204, 43.5487



54.0514, 83.9204, 97.5177



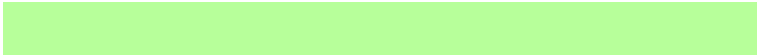
101.8572, 83.9204, 165.4680



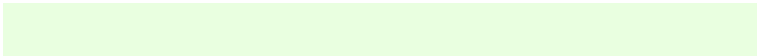
112.5588, 83.9204, 85.4959

Sweetspot

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



61.1216, 83.9206, 43.5500



82.9338, 94.2785, 84.6323



73.9174, 77.2820, 41.5942



17.4902, 20.0560, 17.6015



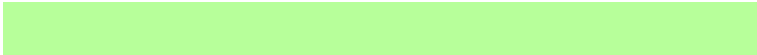
0.0000, 0.0000, 0.0000



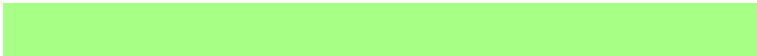
20.3446, 21.4041, 23.3091

Same Dimension

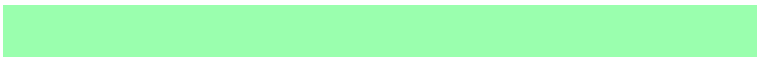
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.1216, 83.9206, 43.5500



56.0598, 81.4991, 34.8219



56.7467, 81.4542, 52.8793



18.2614, 20.4206, 19.1234



20.2560, 38.1804, 6.3020



2.0745, 3.7702, 0.6184

Inverse Universe

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



60.9708, 46.5013, 100.3699



55.8548, 39.0791, 99.2069



67.7627, 50.3588, 84.5950



18.2547, 18.0230, 22.7666



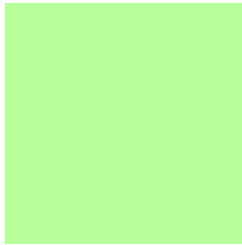
19.6401, 9.0353, 50.1434



2.0202, 0.9354, 4.8873

Previews

White Background



This preview shows how the XYZ color 61.1212, 83.9204, 43.5487 looks on a white background.

Color Contrast Check

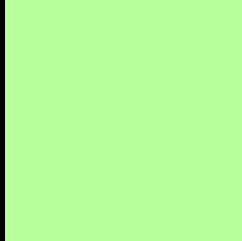
Large Text (above 18pt) WCAG AA × Fail

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 61.1212, 83.9204, 43.5487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

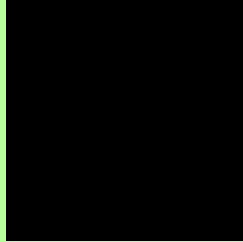
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

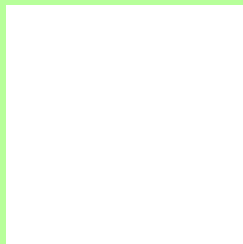
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.1212, 83.9204, 43.5487

Background



This preview shows how black text looks on a background with the XYZ color 61.1212, 83.9204, 43.5487.



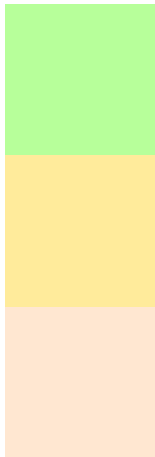
This preview shows how white text looks on a background with the XYZ color 61.1212, 83.9204,

43.5487.

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

61.1212, 83.9204, 43.5487

Protanopia

76.8647, 83.0432, 42.9881

Deuteranopia

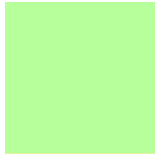
81.3245, 83.0153, 72.0589



Tritanopia

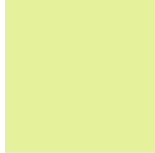
75.7884, 83.2418, 106.6805

Trichromacy



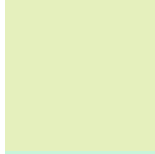
Original Color

61.1212, 83.9204, 43.5487



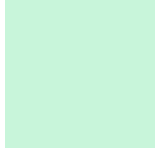
Protanomaly

69.9816, 82.5288, 43.2516



Deuteranomaly

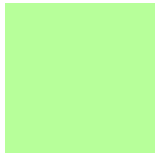
72.6585, 82.6523, 60.2681



Tritanomaly

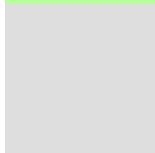
69.1267, 82.6461, 78.6386

Monochromacy



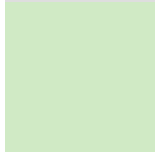
Original Color

61.1212, 83.9204, 43.5487



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

65.5133, 76.2868, 64.0952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.1212, 83.9204, 43.5487 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(183, 255, 154)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 154)  
}
```

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(183, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 154) }
```

Border

The CSS property to change the border of an element to XYZ 61.1212, 83.9204, 43.5487 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(183, 255, 154) }
```


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

```
.border{ border-color:rgb(183, 255, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 61.1212, 83.9204, 43.5487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 154) }
```

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

```
.background{ background-color: rgb(183,  
255, 154) }
```

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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