

# Converting Colors

XYZ(59.9929, 83.3237, 44.1742)

Have a look what the booklet for  
XYZ(59.9929, 83.3237, 44.1742)  
contains.

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# Color

**XYZ(60.1208, 83.3853,  
44.3788)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2FF9C
RGB	178, 255, 156
RGB Percent	70%, 100%, 61%
CMY	0.3020, 0.0000, 0.3882
CMYK	0.30, 0.00, 0.39, 0.00
HSL	107°, 100%, 81%
HSV	107°, 39%, 100%
XYZ	60.1208, 83.3853, 44.3788
YIQ	220.6910, -14.1130, -47.1130

# Conversions

## Conversions Part 2

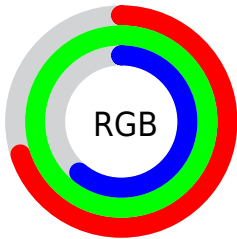
Format	Color
<a href="#">RYB</a>	<a href="#">156, 255, 233</a>
Decimal	<a href="#">11730844</a>
CIELab	<a href="#">93.18, -41.41, 39.96</a>
CIELCh	<a href="#">93, 57.546, 136.021</a>
Yxy	<a href="#">83.3853, 0.3200, 0.4438</a>
Android (android.graphics.Color)	<a href="#">4289920924 (0xFFB2FF9C)</a>
YUV	<a href="#">220.6910, -31.8927, -37.4400</a>
Hunter-Lab	<a href="#">91.3156, -42.2805, 35.1063</a>

# Details

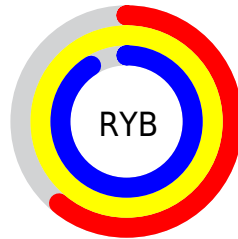
The XYZ color **60.1208, 83.3853, 44.3788** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63.5441, 48.3220, 100.5857**, and the grayscale version is **68.7337, 72.3132, 78.7491**.

A 20% lighter version of the original color is **82.1099, 94.0560, 75.4550**, and **30.6683, 45.5050, 19.9989** is the 20% darker color. If you saturate the color by 10%, you get **53.9564, 80.4312, 33.9775**, and if you desaturate by 10%, it is **67.3972, 86.8601, 57.2006**.

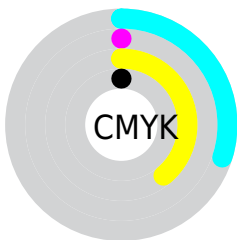
# Distribution



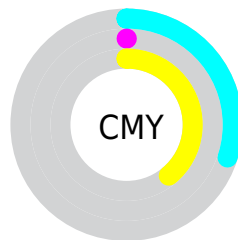
- Red (70%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (91%)



- Cyan (30%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.1208, 83.3853, 44.3788 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 60.1208, 83.3853, 44.3788 by changing the saturation by 10% instead.





 60.1208, 83.3853,  
44.3788


 60.1208, 83.3853,  
44.3788


414.8705,  
506.2697, 380.3383

 43.7658, 62.5081,  
30.6290


 104.1102,  
138.1150, 83.0960

 30.6836, 45.4433,  
20.0604


 132.4754,  
172.7362, 108.9005

 20.5087, 31.8068,  
12.2545


165.5747,  
212.7075, 139.5603

 12.8757, 21.2140,  
6.7926

203.7735,  
258.4134, 175.4940

 7.4194, 13.2805,  
3.2563

247.4371,  
310.2381, 217.1201

 3.7744, 7.6220,  
1.2269

296.9309,

 1.5753, 3.8540,

368.5662, 264.8572

0.0007

352.6203,  
433.7819, 319.1237

0.3762, 1.5922,  
0.0000

0.0000, 0.3524,  
0.0000

60.1208, 83.3853,  
44.3788

60.1208, 83.3853,  
44.3788

53.9564, 80.4312,  
33.9775

67.3972, 86.8601,  
57.2006

48.8463, 77.9717,  
25.8410

75.8371, 90.8794,  
72.5778

44.7288, 75.9784,  
19.8013

85.4899, 95.4658,  
90.6400

41.5350, 74.4202,  
15.6658

95.0500, 100.0000,  
108.9000

■ 39.1861, 73.2613,  
13.2060

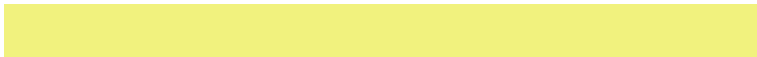
■ 37.5799, 72.4563,  
12.0910

■ 37.4281, 72.3799,  
11.9981

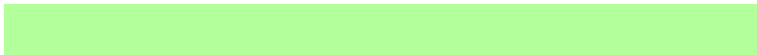
# Harmonies

## Analogous

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



71.4989, 83.3853, 31.9734



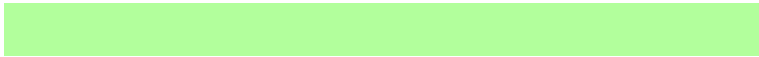
60.1208, 83.3853, 44.3788



54.2578, 83.3853, 72.1274

# Triad

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



60.1208, 83.3853, 44.3788



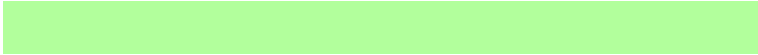
72.4375, 83.3853, 197.9300



110.6127, 83.3853, 69.6963

# Complementary

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



60.1208, 83.3853, 44.3788



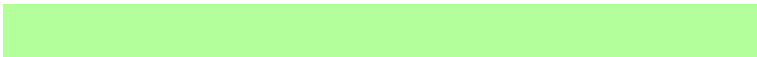
63.5441, 48.3220, 100.5857

# Split Complementary

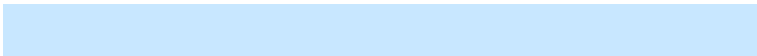
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.9480, 83.3853, 112.4280



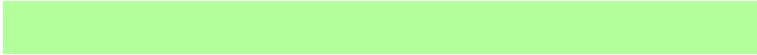
60.1208, 83.3853, 44.3788



87.5532, 83.3853, 196.6413

# Square

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



60.1208, 83.3853, 44.3788



60.7323, 83.3853, 164.8565



102.0714, 83.3853, 161.7527

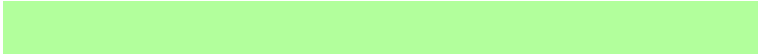


101.2065, 83.3853, 43.0893



# Rectangle

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



60.1208, 83.3853, 44.3788



53.7154, 83.3853, 99.8096



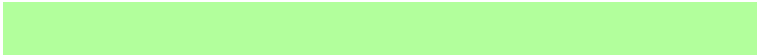
102.0714, 83.3853, 161.7527



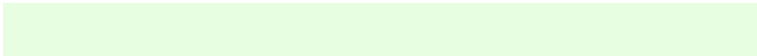
111.8270, 83.3853, 82.3354

# Sweetspot

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



60.1212, 83.3854, 44.3801



82.2883, 93.9457, 84.6020



76.0697, 81.3177, 43.1404



17.3392, 19.9781, 17.5944



0.0000, 0.0000, 0.0000

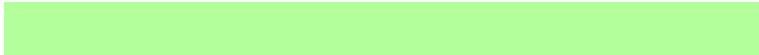


20.3446, 21.4041, 23.3091



# Same Dimension

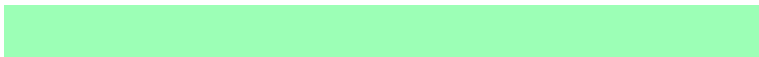
The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.1212, 83.3854, 44.3801



54.9996, 80.9320, 35.6997



57.9560, 81.9823, 57.2437



18.1490, 20.3627, 19.1182



19.6606, 37.8735, 6.2741



2.0030, 3.7333, 0.6150



# Inverse Universe

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



63.5441, 48.3220, 100.5857



58.8470, 41.1442, 99.4478



67.2161, 50.6728, 80.0750



18.3746, 18.0848, 22.7722



21.7810, 10.1390, 50.2436

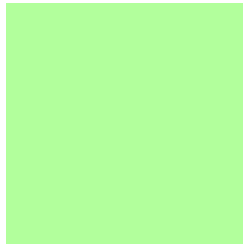


2.2133, 1.0349, 4.8964



# Previews

## White Background



This preview shows how the XYZ color 60.1208, 83.3853, 44.3788 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

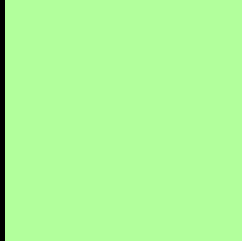
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.1208, 83.3853, 44.3788 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

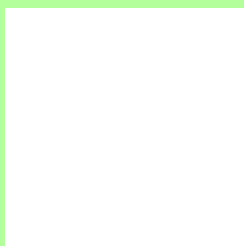
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 60.1208, 83.3853, 44.3788**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.1208, 83.3853, 44.3788.



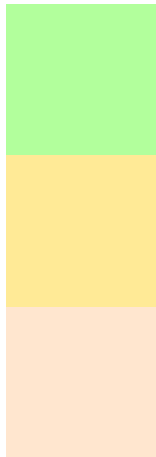
This preview shows how white text looks on a background with the XYZ color 60.1208, 83.3853,

44.3788.

# 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

60.1208, 83.3853, 44.3788

### Protanopia

76.1678, 82.3076, 40.7267

### Deuteranopia

80.7993, 82.3586, 70.6697



## Tritanopia

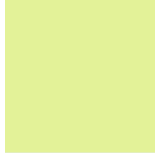
74.9422, 82.8056, 106.6409

# Trichromacy



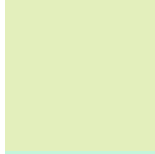
## Original Color

60.1208, 83.3853, 44.3788



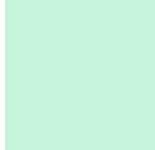
## Protanomaly

69.0982, 82.1022, 41.9112



## Deuteranomaly

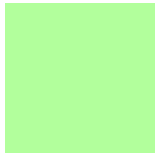
71.6222, 81.6947, 59.5707



## Tritanomaly

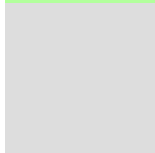
68.2035, 82.1551, 79.2806

# Monochromacy



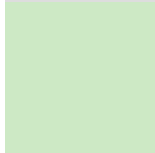
## Original Color

60.1208, 83.3853, 44.3788



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

64.3938, 75.2882, 63.9615

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.1208, 83.3853, 44.3788 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(178, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 156)  
}
```

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(178, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 60.1208, 83.3853, 44.3788 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(178, 255, 156) }
```



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

```
.border{ border-color:rgb(178, 255, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 255, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 255, 156); box-shadow:4px 4px 4px 4px rgb(178, 255, 156) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.1208, 83.3853, 44.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 156) }
```

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

```
.background{ background-color: rgb(178,  
255, 156) }
```

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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