

# Converting Colors

XYZ(60.7936, 83.7611, 43.1003)

Have a look what the booklet for  
XYZ(60.7936, 83.7611, 43.1003)  
contains.

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# Color

**XYZ(60.8012, 83.7650,  
43.1007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6FF99
RGB	182, 255, 153
RGB Percent	71%, 100%, 60%
CMY	0.2863, 0.0000, 0.4000
CMYK	0.29, 0.00, 0.40, 0.00
HSL	103°, 100%, 80%
HSV	103°, 40%, 100%
XYZ	60.8012, 83.7650, 43.1007
YIQ	221.5450, -10.7660, -47.1980

# Conversions

## Conversions Part 2

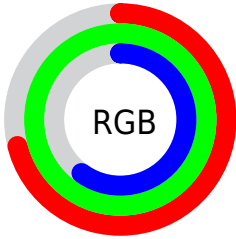
Format	Color
<a href="#">RYB</a>	<a href="#">153, 255, 226</a>
Decimal	<a href="#">11992985</a>
CIELab	<a href="#">93.35, -40.51, 41.68</a>
CIElCh	<a href="#">93, 58.125, 134.183</a>
Yxy	<a href="#">83.7650, 0.3240, 0.4463</a>
Android (android.graphics.Color)	<a href="#">4290183065 (0xFFB6FF99)</a>
YUV	<a href="#">221.5450, -33.7927, -34.6810</a>
Hunter-Lab	<a href="#">91.5232, -41.5836, 36.1450</a>

# Details

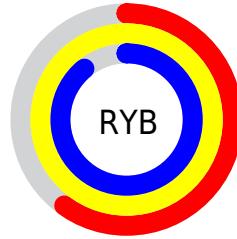
The XYZ color **60.8012, 83.7650, 43.1007** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **60.8064, 46.1725, 100.3151**, and the grayscale version is **69.3460, 72.9574, 79.4506**.

A 20% lighter version of the original color is **83.0803, 94.5993, 73.5552**, and **31.0985, 45.7439, 19.2470** is the 20% darker color. If you saturate the color by 10%, you get **54.8820, 80.9314, 32.9797**, and if you desaturate by 10%, it is **67.7330, 87.0686, 55.6207**.

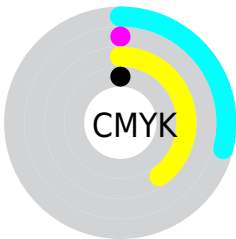
# Distribution



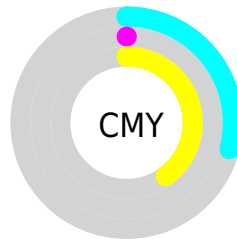
- Red (71%)
- Green (100%)
- Blue (60%)



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



- Cyan (29%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.8012, 83.7650, 43.1007 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 60.8012, 83.7650, 43.1007 by changing the saturation by 10% instead.




 60.8012, 83.7650,  
43.1007


 60.8012, 83.7650,  
43.1007


417.3323,  
507.5325, 374.9591

 44.3167, 62.8214,  
29.6321


 105.0908,  
138.6464, 81.1508

 31.1185, 45.6968,  
19.3099


 133.6266,  
173.3530, 106.5694

 20.8414, 32.0066,  
11.7153


166.9101,  
213.4161, 136.8084

 13.1199, 21.3665,  
6.4300

205.3068,  
259.2201, 172.2865

 7.5887, 13.3922,  
3.0353

249.1820,  
311.1493, 213.4220

 3.8825, 7.6992,  
1.1127

298.9011,

 1.6359, 3.9031,

369.5882, 260.6336

0.0000

354.8294,  
434.9211, 314.3398

■ 0.4156, 1.6195,  
0.0000

■ 0.0000, 0.3707,  
0.0000

■ 60.8012, 83.7650,  
43.1007

■ 60.8012, 83.7650,  
43.1007

■ 54.8820, 80.9314,  
32.9797

■ 67.7330, 87.0686,  
55.6207

■ 49.9238, 78.5446,  
25.1005

■ 75.7231, 90.8626,  
70.6758

■ 45.8717, 76.5801,  
19.2932

■ 84.8154, 95.1671,  
88.3963

■ 42.6642, 75.0102,  
15.3621

95.0500, 100.0000,  
108.9000

■ 40.2306, 73.8038,  
13.0736

■ 38.4698, 72.9170,  
12.0469

■ 38.4697, 72.9169,  
12.0468

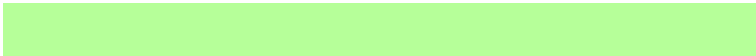
# Harmonies

## Analogous

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



72.6149, 83.7650, 31.4305



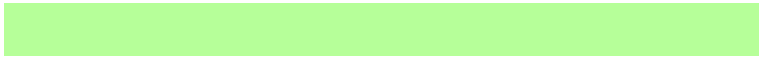
60.8012, 83.7650, 43.1007



54.5058, 83.7650, 70.0909

# Triad

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



60.8012, 83.7650, 43.1007



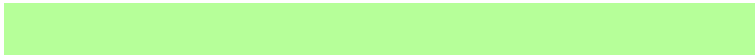
71.8545, 83.7650, 198.8251



111.7239, 83.7650, 72.0588

# Complementary

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



60.8012, 83.7650, 43.1007



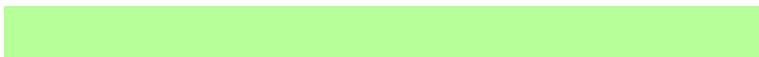
60.8064, 46.1725, 100.3151

# Split Complementary

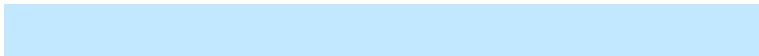
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.4516, 83.7650, 116.1851



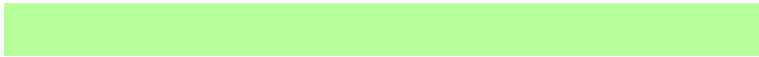
60.8012, 83.7650, 43.1007



87.0534, 83.7650, 199.8738

# Square

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



60.8012, 83.7650, 43.1007



60.3063, 83.7650, 163.5366



101.9599, 83.7650, 166.0603

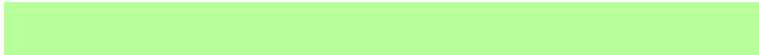


102.6620, 83.7650, 44.1411



# Rectangle

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



60.8012, 83.7650, 43.1007



53.7044, 83.7650, 97.4984



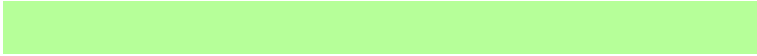
101.9599, 83.7650, 166.0603



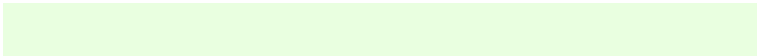
112.7540, 83.7650, 85.1900

# Sweetspot

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



60.8016, 83.7652, 43.1020



82.9057, 94.2640, 84.6309



73.7535, 77.0870, 41.1303



17.4836, 20.0526, 17.6012



0.0000, 0.0000, 0.0000

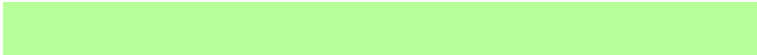


20.3446, 21.4041, 23.3091

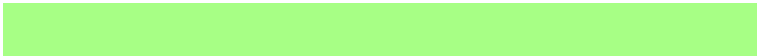


# Same Dimension

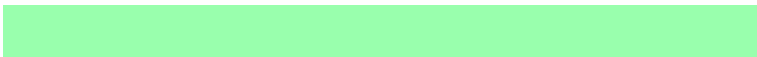
The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.8016, 83.7652, 43.1020



55.9867, 81.4614, 34.8185



56.4792, 81.3253, 52.4602



18.2565, 20.4181, 19.1232



20.2268, 38.1654, 6.3006



2.0711, 3.7685, 0.6182



# Inverse Universe

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



60.8064, 46.1725, 100.3151



55.9591, 39.1329, 99.2118



67.5694, 50.0185, 84.3883



18.2599, 18.0257, 22.7669



19.7280, 9.0806, 50.1475

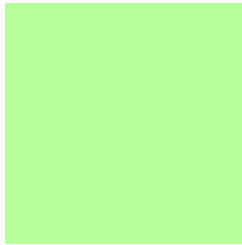


2.0282, 0.9395, 4.8877



# Previews

## White Background



This preview shows how the XYZ color 60.8012, 83.7650, 43.1007 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

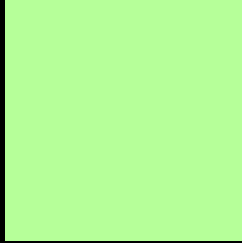
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.8012, 83.7650, 43.1007 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

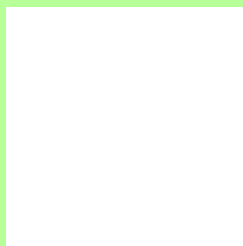
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 60.8012, 83.7650, 43.1007**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.8012, 83.7650, 43.1007.



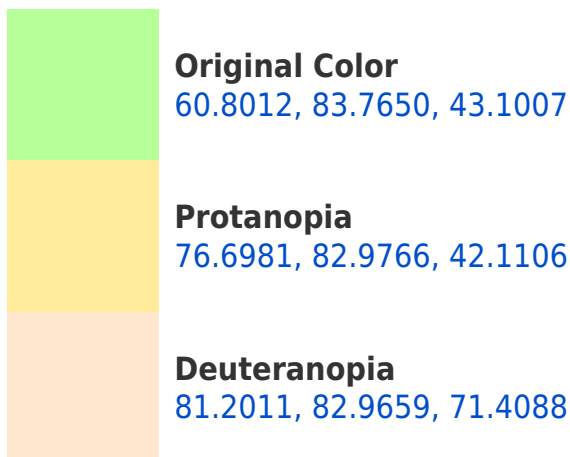
This preview shows how white text looks on a background with the XYZ color 60.8012, 83.7650,



# 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





## **Tritanopia**

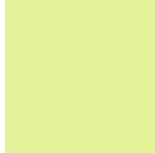
75.5046, 83.0955, 106.6673

# Trichromacy



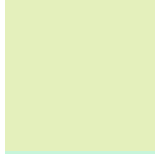
## Original Color

60.8012, 83.7650, 43.1007



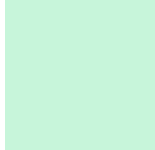
## Protanomaly

69.4968, 82.2981, 42.3593



## Deuteranomaly

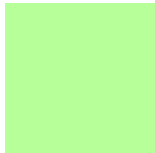
72.2321, 82.4450, 59.6834



## Tritanomaly

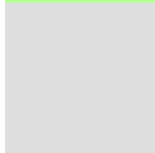
68.8605, 82.5089, 78.6261

# Monochromacy



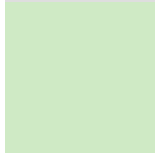
## Original Color

60.8012, 83.7650, 43.1007



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

65.2330, 76.1423, 64.0821

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.8012, 83.7650, 43.1007 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(182, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 153)  
}
```

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(182, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 60.8012, 83.7650, 43.1007 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(182, 255, 153) }
```



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

```
.border{ border-color:rgb(182, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.8012, 83.7650, 43.1007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 153) }
```

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

```
.background{ background-color: rgb(182,  
255, 153) }
```

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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