

# Converting Colors

XYZ(60.1849, 83.4472, 43.0771)

Have a look what the booklet for  
XYZ(60.1849, 83.4472, 43.0771)  
contains.

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# Color

**XYZ(60.1002, 83.4036,  
43.0679)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3FF99
RGB	179, 255, 153
RGB Percent	70%, 100%, 60%
CMY	0.2980, 0.0000, 0.4000
CMYK	0.30, 0.00, 0.40, 0.00
HSL	105°, 100%, 80%
HSV	105°, 40%, 100%
XYZ	60.1002, 83.4036, 43.0679
YIQ	220.6480, -12.5540, -47.8340

# Conversions

## Conversions Part 2

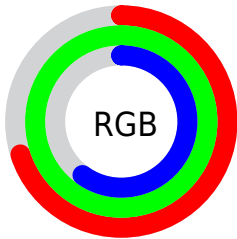
Format	Color
<a href="#">RYB</a>	<a href="#">153, 255, 229</a>
Decimal	<a href="#">11796377</a>
CIELab	<a href="#">93.19, -41.49, 41.45</a>
CIElCh	<a href="#">93, 58.649, 135.031</a>
Yxy	<a href="#">83.4036, 0.3221, 0.4470</a>
Android (android.graphics.Color)	<a href="#">4289986457 (0xFFB3FF99)</a>
YUV	<a href="#">220.6480, -33.3505, -36.5253</a>
Hunter-Lab	<a href="#">91.3256, -42.3512, 35.9675</a>

# Details

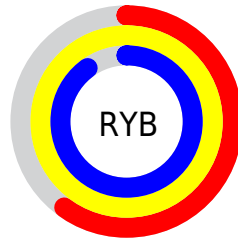
The XYZ color **60.1002, 83.4036, 43.0679** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.7555, 46.6618, 100.3595**, and the grayscale version is **68.7128, 72.2912, 78.7251**.

A 20% lighter version of the original color is **82.0702, 94.0786, 73.5079**, and **30.6627, 45.5192, 19.2266** is the 20% darker color. If you saturate the color by 10%, you get **54.1209, 80.5391, 32.9441**, and if you desaturate by 10%, it is **67.1355, 86.7605, 55.5928**.

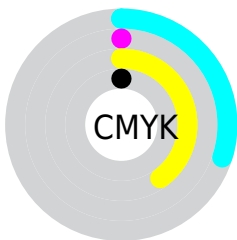
# Distribution



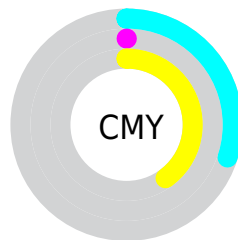
- Red (70%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (90%)



- Cyan (30%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.1002, 83.4036, 43.0679 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 60.1002, 83.4036, 43.0679 by changing the saturation by 10% instead.




 60.1002, 83.4036,  
43.0679


 60.1002, 83.4036,  
43.0679


414.7958,  
506.3306, 374.8203

 43.7492, 62.5232,  
29.6066


 104.0805,  
138.1406, 81.1008

 30.6704, 45.4556,  
19.2907


 132.4405,  
172.7659, 106.5094

 20.4986, 31.8164,  
11.7016

165.5342,  
212.7417, 136.7376

 12.8684, 21.2213,  
6.4207

203.7270,  
258.4523, 172.2038

 7.4143, 13.2859,  
3.0297

247.3842,  
310.2821, 213.3267

 3.7712, 7.6257,  
1.1098

296.8712,

 1.5735, 3.8564,

368.6155, 260.5247

0.0000

352.5533,  
433.8368, 314.2164

■ 0.3751, 1.5936,  
0.0000

■ 0.0000, 0.3532,  
0.0000

■ 60.1002, 83.4036,  
43.0679

■ 60.1002, 83.4036,  
43.0679

■ 54.1209, 80.5391,  
32.9441

■ 67.1355, 86.7605,  
55.5928

■ 49.1429, 78.1421,  
25.0640

■ 75.2752, 90.6317,  
70.6548

■ 45.1081, 76.1864,  
19.2575

■ 84.5659, 95.0385,  
88.3846

■ 41.9511, 74.6426,  
15.3287

95.0500, 100.0000,  
108.9000

■ 39.5970, 73.4772,  
13.0439

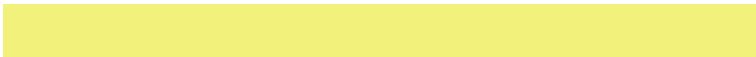
■ 37.9399, 72.6438,  
12.0221

■ 37.9397, 72.6437,  
12.0220

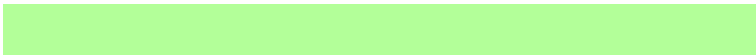
# Harmonies

## Analogous

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



71.8326, 83.4036, 31.0325



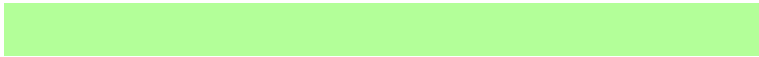
60.1002, 83.4036, 43.0679



53.9514, 83.4036, 70.6072

# Triad

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



60.1002, 83.4036, 43.0679



71.8619, 83.4036, 199.9567



111.4763, 83.4036, 70.5314

# Complementary

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



60.1002, 83.4036, 43.0679



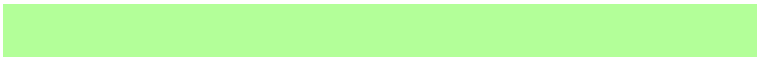
61.7555, 46.6618, 100.3595

# Split Complementary

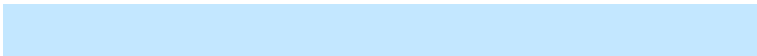
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.4868, 83.4036, 114.5453



60.1002, 83.4036, 43.0679



87.2094, 83.4036, 199.9160

# Square

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



60.1002, 83.4036, 43.0679



60.1193, 83.4036, 165.0659



102.1420, 83.4036, 164.9682

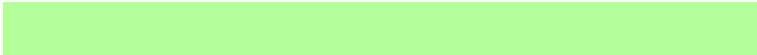


102.1148, 83.4036, 43.0280



# Rectangle

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



60.1002, 83.4036, 43.0679



53.2647, 83.4036, 98.4609



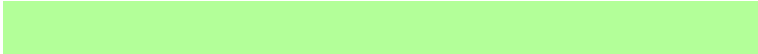
102.1420, 83.4036, 164.9682



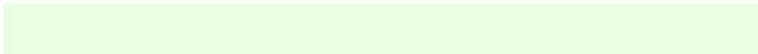
112.6095, 83.4036, 83.5705

# Sweetspot

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



60.1006, 83.4038, 43.0692



82.6124, 94.1128, 84.6172



74.6786, 78.9373, 41.4387



17.4150, 20.0172, 17.5980



0.0000, 0.0000, 0.0000

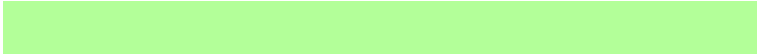


20.3446, 21.4041, 23.3091

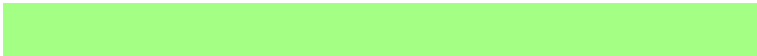


# Same Dimension

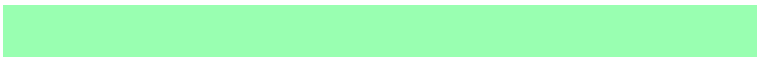
The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.1006, 83.4038, 43.0692



55.2343, 81.0735, 34.7833



56.8135, 81.4590, 54.2205



18.2054, 20.3918, 19.1208



19.9398, 38.0174, 6.2872



2.0373, 3.7510, 0.6166



# Inverse Universe

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



61.7555, 46.6618, 100.3595



57.0619, 39.7013, 99.2634



67.0839, 49.8243, 81.8313



18.3141, 18.0537, 22.7694



20.6733, 9.5679, 50.1918

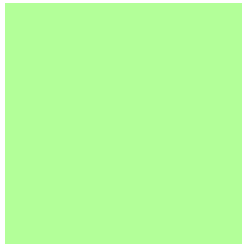


2.1138, 0.9836, 4.8917



# Previews

## White Background



This preview shows how the XYZ color 60.1002, 83.4036, 43.0679 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

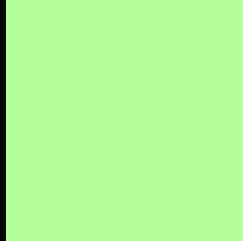
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.1002, 83.4036, 43.0679 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

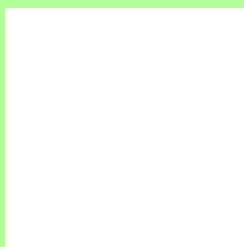
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 60.1002, 83.4036, 43.0679**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.1002, 83.4036, 43.0679.



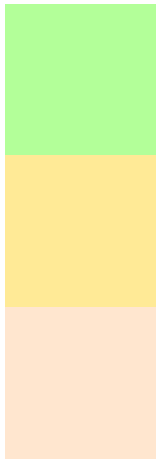
This preview shows how white text looks on a background with the XYZ color 60.1002, 83.4036,

43.0679.

# 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**

60.1002, 83.4036, 43.0679

**Protanopia**

76.1678, 82.3076, 40.7267

**Deuteranopia**

80.7993, 82.3586, 70.6697



## **Tritanopia**

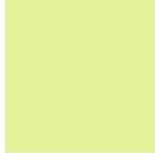
74.9422, 82.8056, 106.6409

# Trichromacy



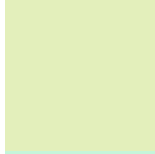
## Original Color

60.1002, 83.4036, 43.0679



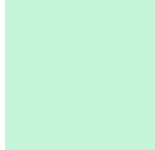
## Protanomaly

69.0166, 82.0695, 41.4816



## Deuteranomaly

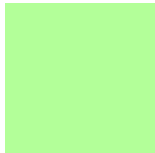
71.5147, 81.6518, 59.0048



## Tritanomaly

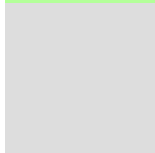
68.3333, 82.2371, 78.6015

# Monochromacy



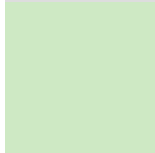
## Original Color

60.1002, 83.4036, 43.0679



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

64.5563, 75.3852, 63.3729

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.1002, 83.4036, 43.0679 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 60.1002, 83.4036, 43.0679 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, 153) }
```



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

```
.border{ border-color:rgb(179, 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(179, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.1002, 83.4036, 43.0679 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, 153) }
```

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

```
.background{ background-color: rgb(179,  
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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