

# Converting Colors

XYZ(60.8270, 84.0102, 32.6253)

Have a look what the booklet for  
XYZ(60.8270, 84.0102, 32.6253)  
contains.

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# Color

**XYZ(60.7611, 83.9735,  
32.7447)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEFF7E
RGB	190, 255, 126
RGB Percent	75%, 100%, 49%
CMY	0.2549, 0.0000, 0.5059
CMYK	0.25, 0.00, 0.51, 0.00
HSL	90°, 100%, 75%
HSV	90°, 51%, 100%
XYZ	60.7611, 83.9735, 32.7447
YIQ	220.8590, 2.6690, -53.8990

# Conversions

## Conversions Part 2

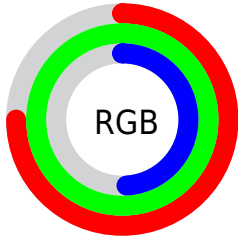
Format	Color
<a href="#">RYB</a>	<a href="#">126, 255, 191</a>
Decimal	<a href="#">12517246</a>
CIELab	<a href="#">93.44, -41.00, 54.69</a>
CIELCh	<a href="#">93, 68.351, 126.854</a>
Yxy	<a href="#">83.9735, 0.3424, 0.4731</a>
Android (android.graphics.Color)	<a href="#">4290707326</a> ( <a href="#">0xFFBEFF7E</a> )
YUV	<a href="#">220.8590, -46.7655, -27.0633</a>
Hunter-Lab	<a href="#">91.6371, -42.0082, 42.9598</a>

# Details

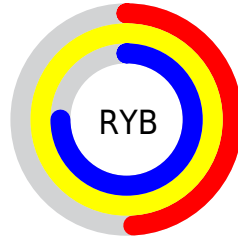
The XYZ color **60.7611, 83.9735, 32.7447** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **46.9980, 33.2194, 98.5427**, and the grayscale version is **68.9445, 72.5349, 78.9905**.

A 20% lighter version of the original color is **83.1674, 94.9959, 57.6687**, and **31.0366, 45.8426, 13.3436** is the 20% darker color. If you saturate the color by 10%, you get **56.2506, 81.8147, 25.0119**, and if you desaturate by 10%, it is **65.9745, 86.4461, 42.7016**.

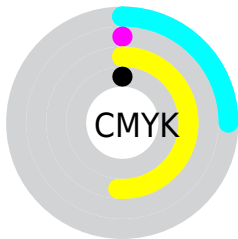
# Distribution



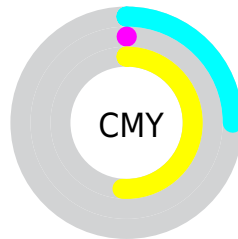
- Red (75%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (75%)



- Cyan (25%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.7611, 83.9735, 32.7447 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 60.7611, 83.9735, 32.7447 by changing the saturation by 10% instead.




 60.7611, 83.9735,  
32.7447


 60.7611, 83.9735,  
32.7447


417.1874,  
508.2252, 329.0944


 44.2842, 62.9936,  
21.6614


 105.0330,  
138.9381, 65.0881

 31.0929, 45.8360,  
13.4124


 133.5588,  
173.6916, 87.1854

 20.8217, 32.1164,  
7.5791


 166.8315,  
213.8050, 113.7911

 13.1055, 21.4504,  
3.7429

205.2166,  
259.6627, 145.3237

 7.5787, 13.4537,  
1.4854

249.0793,  
311.6493, 182.2018

 3.8761, 7.7417,  
0.2070

298.7852,

 1.6323, 3.9301,

370.1489, 224.8439

0.0000

354.6994,  
435.5461, 273.6686

■ 0.4133, 1.6345,  
0.0000

■ 0.0000, 0.3807,  
0.0000

■ 60.7611, 83.9735,  
32.7447

■ 60.7611, 83.9735,  
32.7447

■ 56.2506, 81.8147,  
25.0119

■ 65.9745, 86.4461,  
42.7016

■ 52.4023, 79.9527,  
19.3278

■ 71.9261, 89.2475,  
55.0324

■ 49.1717, 78.3687,  
15.4968

■ 78.6493, 92.3919,  
69.8784

■ 46.5063, 77.0409,  
13.2836

■ 86.1753, 95.8923,  
87.3685

■ 44.4393, 75.9944,  
12.3262

94.5331, 99.7613,  
107.6230

95.0500, 100.0000,  
108.9000

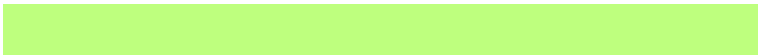
# Harmonies

## Analogous

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



75.7449, 83.9735, 24.0072



60.7611, 83.9735, 32.7447



51.9738, 83.9735, 57.6731

# Triad

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



60.7611, 83.9735, 32.7447



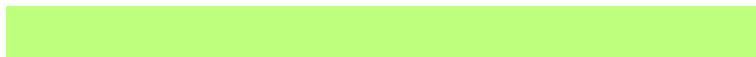
66.9387, 83.9735, 216.6099



119.4545, 83.9735, 80.0799

# Complementary

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



60.7611, 83.9735, 32.7447



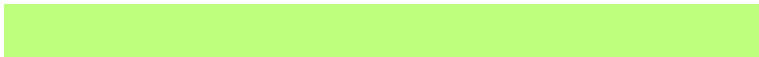
46.9980, 33.2194, 98.5427

# 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.



116.1557, 83.9735, 136.3153



60.7611, 83.9735, 32.7447



84.0269, 83.9735, 229.8213

# Square

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



60.7611, 83.9735, 32.7447



55.1470, 83.9735, 164.9152



102.4844, 83.9735, 196.2123



110.9191, 83.9735, 43.8472



# Rectangle

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



60.7611, 83.9735, 32.7447



49.9421, 83.9735, 86.0877



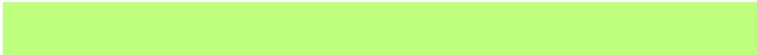
102.4844, 83.9735, 196.2123



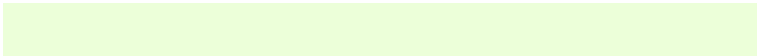
119.7107, 83.9735, 96.9949

# Sweetspot

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



60.7614, 83.9736, 32.7459



82.7531, 94.3028, 79.3160



63.5284, 59.8111, 27.9362



17.3748, 20.0275, 16.1936



0.0000, 0.0000, 0.0000

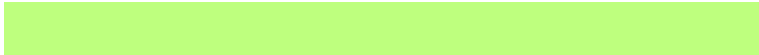


20.3446, 21.4041, 23.3091



# Same Dimension

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



60.7614, 83.9736, 32.7459



56.0788, 81.7320, 24.7377



48.1308, 77.4623, 32.1548



18.6300, 20.6107, 19.1407



23.3924, 39.7973, 6.4487



2.4035, 3.9398, 0.6338



# Inverse Universe

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



46.9980, 33.2194, 98.5427



40.8757, 25.6741, 97.4089



66.7513, 43.4026, 99.4671



17.8754, 17.8275, 22.7489



14.2943, 6.2794, 49.8932

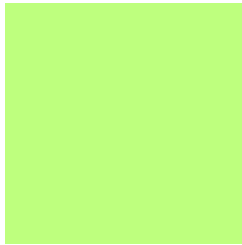


1.5178, 0.6764, 4.8638



# Previews

## White Background



This preview shows how the XYZ color 60.7611, 83.9735, 32.7447 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

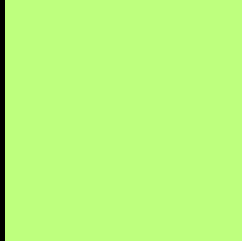
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.7611, 83.9735, 32.7447 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

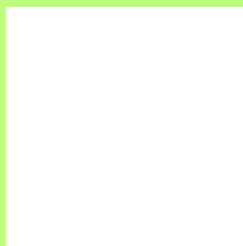
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 60.7611, 83.9735, 32.7447**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.7611, 83.9735, 32.7447.



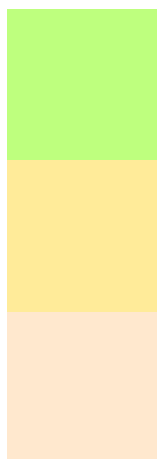
This preview shows how white text looks on a background with the XYZ color 60.7611, 83.9735,



# 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

60.7611, 83.9735, 32.7447

### Protanopia

76.6981, 82.9766, 42.1106

### Deuteranopia

81.2372, 83.4295, 70.2144



## Tritanopia

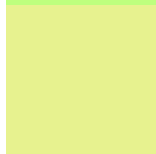
76.9408, 83.4001, 106.6504

# Trichromacy



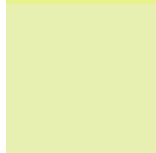
## Original Color

60.7611, 83.9735, 32.7447



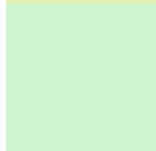
## Protanomaly

69.6651, 82.4764, 38.2344



## Deuteranomaly

72.0509, 82.4834, 53.7184



## Tritanomaly

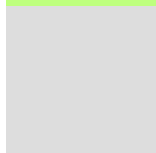
69.4912, 82.9807, 72.0288

# Monochromacy



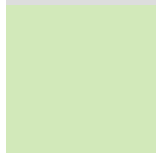
## Original Color

60.7611, 83.9735, 32.7447



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

64.5802, 75.5246, 57.6283

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.7611, 83.9735, 32.7447 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(190, 255, 126)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 126)  
}
```

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(190, 255, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 60.7611, 83.9735, 32.7447 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(190, 255, 126) }
```



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

```
.border{ border-color:rgb(190, 255, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 126);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.7611, 83.9735, 32.7447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 126) }
```

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

```
.background{ background-color: rgb(190,  
255, 126) }
```

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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