

# Converting Colors

XYZ(62.7471, 84.9862, 33.3400)

Have a look what the booklet for  
XYZ(62.7471, 84.9862, 33.3400)  
contains.

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# Color

**XYZ(62.6167, 84.9226,  
33.1701)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5FF7F
RGB	197, 255, 127
RGB Percent	77%, 100%, 50%
CMY	0.2275, 0.0000, 0.5019
CMYK	0.23, 0.00, 0.50, 0.00
HSL	87°, 100%, 75%
HSV	87°, 50%, 100%
XYZ	62.6167, 84.9226, 33.1701
YIQ	223.0660, 6.5200, -52.1040

# Conversions

## Conversions Part 2

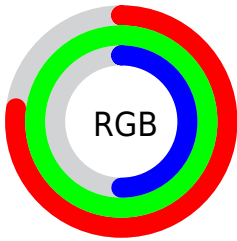
Format	Color
<a href="#">RYB</a>	<a href="#">127, 255, 185</a>
Decimal	<a href="#">12975999</a>
CIELab	<a href="#">93.85, -38.43, 54.82</a>
CIELCh	<a href="#">94, 66.948, 125.027</a>
Yxy	<a href="#">84.9226, 0.3465, 0.4699</a>
Android (android.graphics.Color)	<a href="#">4291166079</a> <a href="#">(0xFFC5FF7F)</a>
YUV	<a href="#">223.0660, -47.3605, -22.8599</a>
Hunter-Lab	<a href="#">92.1535, -39.9809, 43.1663</a>

# Details

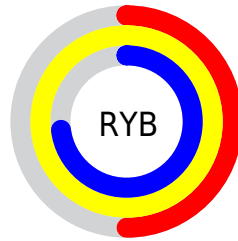
The XYZ color **62.6167, 84.9226, 33.1701** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **45.6482, 32.7144, 98.5163**, and the grayscale version is **70.5085, 74.1805, 80.7825**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **32.2119, 46.4447, 13.5703** is the 20% darker color. If you saturate the color by 10%, you get **58.2488, 82.8392, 25.3612**, and if you desaturate by 10%, it is **67.6376, 87.2940, 43.2070**.

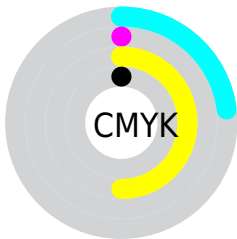
# Distribution



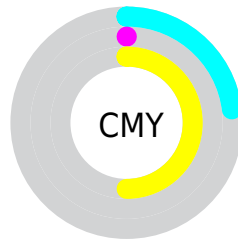
- Red (77%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (73%)



- Cyan (23%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.6167, 84.9226, 33.1701 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 62.6167, 84.9226, 33.1701 by changing the saturation by 10% instead.





 62.6167, 84.9226,  
33.1701

 62.6167, 84.9226,  
33.1701


423.8589,  
511.3719, 331.0710


 45.7887, 63.7774,  
21.9846


 107.7013,  
140.2650, 65.7601

 32.2830, 46.4704,  
13.6474


 136.6885,  
175.2311, 88.0016

 21.7344, 32.6172,  
7.7399


 170.4595,  
215.5729, 114.7656

 13.7773, 21.8334,  
3.8436

209.3797,  
261.6748, 146.4706

 8.0466, 13.7345,  
1.5399

253.8144,  
313.9213, 183.5351

 4.1769, 7.9362,  
0.2474

304.1289,

 1.8027, 4.0542,

372.6967, 226.3776

0.0000

360.6886,  
438.3855, 275.4167

0.5193, 1.7039,  
0.0000

0.0000, 0.4262,  
0.0000

62.6167, 84.9226,  
33.1701

62.6167, 84.9226,  
33.1701

58.2488, 82.8392,  
25.3612

67.6376, 87.2940,  
43.2070

54.4957, 81.0279,  
19.6058

73.3447, 89.9673,  
55.6211

51.3151, 79.4712,  
15.7098

79.7697, 92.9556,  
70.5529

48.6572, 78.1485,  
13.4396

86.9415, 96.2712,  
88.1312

■ 46.4828, 77.0478,  
12.4218

94.8874, 99.9254,  
108.4757

95.0500, 100.0000,  
108.9000

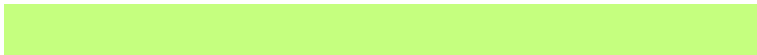
# Harmonies

## Analogous

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



77.7534, 84.9226, 25.1455



62.6167, 84.9226, 33.1701



53.4875, 84.9226, 56.9386

# Triad

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



62.6167, 84.9226, 33.1701



67.1069, 84.9226, 212.8792



119.8523, 84.9226, 84.1379

# Complementary

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



62.6167, 84.9226, 33.1701



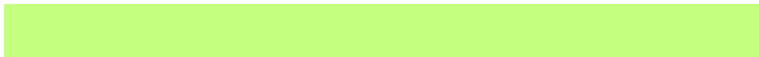
45.6482, 32.7144, 98.5163

# 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.



115.9016, 84.9226, 140.3505



62.6167, 84.9226, 33.1701



83.7537, 84.9226, 228.5767

# Square

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



62.6167, 84.9226, 33.1701



55.8002, 84.9226, 160.9367



102.0056, 84.9226, 198.2477

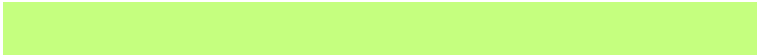


112.1250, 84.9226, 46.8325



# Rectangle

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



62.6167, 84.9226, 33.1701



51.1861, 84.9226, 84.2236



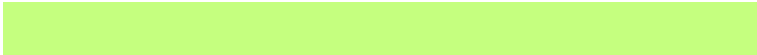
102.0056, 84.9226, 198.2477



119.8559, 84.9226, 101.2299

# Sweetspot

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



62.6170, 84.9227, 33.1713



83.4002, 94.6364, 79.3463



62.3368, 57.3240, 27.8590



17.5305, 20.1078, 16.2009



0.0000, 0.0000, 0.0000

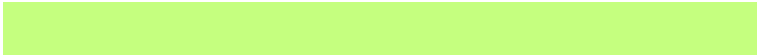


20.3446, 21.4041, 23.3091



# Same Dimension

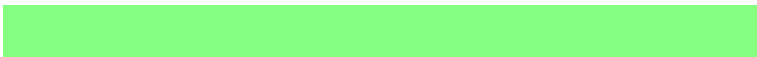
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.6170, 84.9227, 33.1713



58.3279, 82.8771, 25.4931



49.3277, 78.0718, 32.5494



18.7211, 20.6576, 19.1449



24.4627, 40.3491, 6.4988



2.5078, 3.9936, 0.6387



# Inverse Universe

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



45.6482, 32.7144, 98.5163



39.6679, 25.4178, 97.4231



64.5644, 42.4660, 99.4016



17.7848, 17.7808, 22.7446



13.3306, 5.7826, 49.8481

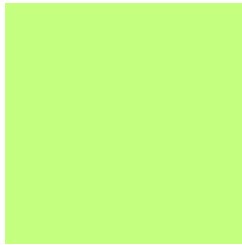


1.4218, 0.6269, 4.8593



# Previews

## White Background



This preview shows how the XYZ color 62.6167, 84.9226, 33.1701 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

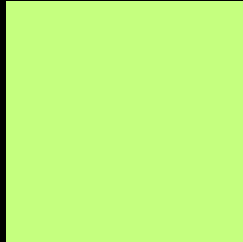
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.6167, 84.9226, 33.1701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

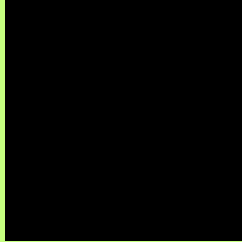
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

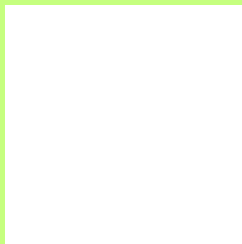
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 62.6167, 84.9226, 33.1701

## Background



This preview shows how black text looks on a background with the XYZ color 62.6167, 84.9226, 33.1701.



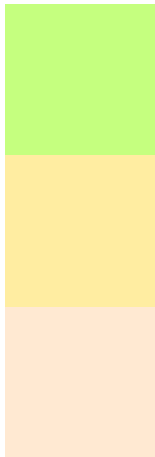
This preview shows how white text looks on a background with the XYZ color 62.6167, 84.9226,



# 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

62.6167, 84.9226, 33.1701

### Protanopia

77.9572, 84.4016, 45.9006

### Deuteranopia

82.0118, 84.1910, 72.9008



## **Tritanopia**

78.7253, 84.7558, 106.8180

# Trichromacy



## Original Color

62.6167, 84.9226, 33.1701



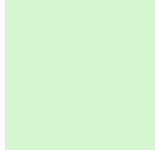
## Protanomaly

71.7072, 84.3637, 40.9382



## Deuteranomaly

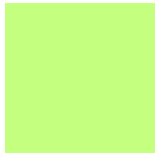
73.6252, 83.6983, 55.4549



## Tritanomaly

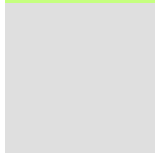
71.1890, 83.8559, 72.1083

# Monochromacy



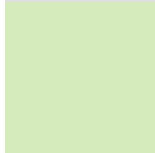
## Original Color

62.6167, 84.9226, 33.1701



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

66.5170, 77.3436, 59.0000

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.6167, 84.9226, 33.1701 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(197, 255, 127)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 127)  
}
```

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(197, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 62.6167, 84.9226, 33.1701 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(197, 255, 127) }
```



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

```
.border{ border-color:rgb(197, 255, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
127) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.6167, 84.9226, 33.1701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 127) }
```

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

```
.background{ background-color: rgb(197,  
255, 127) }
```

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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