

# Converting Colors

XYZ(61.2027, 83.5625, 61.6187)

Have a look what the booklet for  
XYZ(61.2027, 83.5625, 61.6187)  
contains.

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# Color

**XYZ(61.2027, 83.5625,  
61.6187)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8FFBE
RGB	168, 255, 190
RGB Percent	66%, 100%, 75%
CMY	0.3412, 0.0000, 0.2549
CMYK	0.34, 0.00, 0.25, 0.00
HSL	135°, 100%, 83%
HSV	135°, 34%, 100%
XYZ	61.2027, 83.5625, 61.6187
YIQ	221.5770, -30.9870, -38.6590

# Conversions

## Conversions Part 2

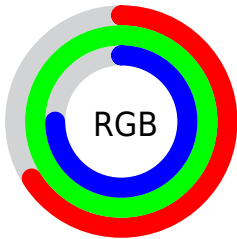
Format	Color
<a href="#">RYB</a>	<a href="#">168, 237, 255</a>
Decimal	<a href="#">11075518</a>
CIELab	<a href="#">93.26, -39.18, 22.95</a>
CIELCh	<a href="#">93, 45.410, 149.643</a>
Yxy	<a href="#">83.5625, 0.2965, 0.4049</a>
Android (android.graphics.Color)	<a href="#">4289265598</a> ( <a href="#">0xFFA8FFBE</a> )
YUV	<a href="#">221.5770, -15.5675, -46.9870</a>
Hunter-Lab	<a href="#">91.4125, -40.4622, 24.0230</a>

# Details

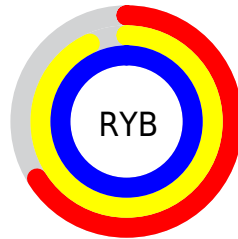
The XYZ color **61.2027, 83.5625, 61.6187** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **69.9508, 55.1490, 84.0483**, and the grayscale version is **69.2545, 72.8611, 79.3457**.

A 20% lighter version of the original color is **83.5998, 94.2430, 101.7802**, and **31.4481, 45.6765, 30.4515** is the 20% darker color. If you saturate the color by 10%, you get **54.3476, 80.2537, 51.1297**, and if you desaturate by 10%, it is **69.3957, 87.5296, 73.5939**.

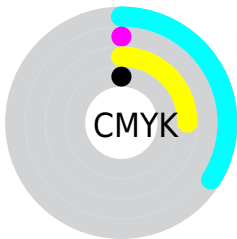
# Distribution



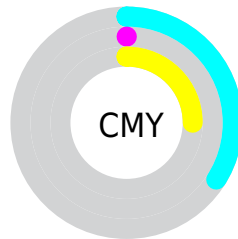
- Red (66%)
- Green (100%)
- Blue (75%)



- Red (66%)
- Yellow (93%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.2027, 83.5625, 61.6187 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 61.2027, 83.5625, 61.6187 by changing the saturation by 10% instead.





 61.2027, 83.5625,  
61.6187

 61.2027, 83.5625,  
61.6187


418.7809,  
506.8593, 448.5081

 44.6419, 62.6543,  
44.2909


 105.6688,  
138.3630, 108.7405

 31.3756, 45.5616,  
30.5604


134.3049,  
173.0241, 139.3716

 21.0382, 31.9000,  
20.0087


167.6968,  
213.0383, 175.2741

 13.2646, 21.2851,  
12.2172

206.2098,  
258.7899, 216.8667

 7.6892, 13.3326,  
6.7674

250.2094,  
310.6635, 264.5678

 3.9469, 7.6580,  
3.2409

300.0609,

 1.6721, 3.8769,

369.0433, 318.7961

1.2189

356.1296,  
434.3138, 379.9700

■ 0.4387, 1.6049,  
0.0000

■ 0.0000, 0.3609,  
0.0000

■ 61.2027, 83.5625,  
61.6187

■ 61.2027, 83.5625,  
61.6187

■ 54.3476, 80.2537,  
51.1297

■ 69.3957, 87.5296,  
73.5939

■ 48.7556, 77.5657,  
42.0647

■ 78.9921, 92.1876,  
87.1060

■ 44.3472, 75.4590,  
34.3631

■ 90.0552, 97.5680,  
102.2085

■ 41.0326, 73.8886,  
27.9583

95.0500, 100.0000,  
108.9000

■ 38.7087, 72.8028,  
22.7781

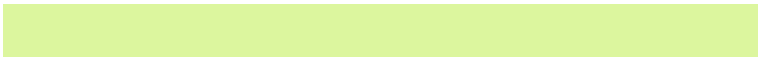
■ 37.2509, 72.1391,  
18.7428

■ 36.6993, 71.8957,  
16.8663

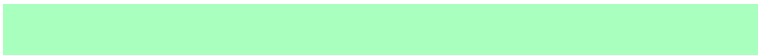
# Harmonies

## Analogous

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



68.5938, 83.5625, 44.9433



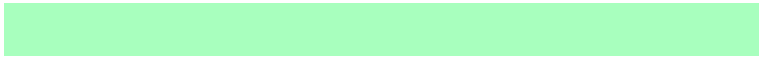
61.2027, 83.5625, 61.6187



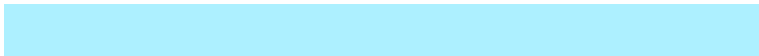
58.5934, 83.5625, 90.5760

# Triad

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



61.2027, 83.5625, 61.6187



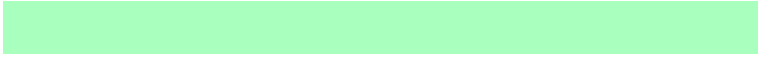
79.2806, 83.5625, 173.9164



101.1116, 83.5625, 62.1680

# Complementary

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



61.2027, 83.5625, 61.6187



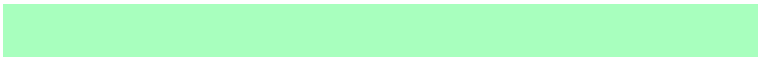
69.9508, 55.1490, 84.0483

# 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.



104.6842, 83.5625, 91.3960



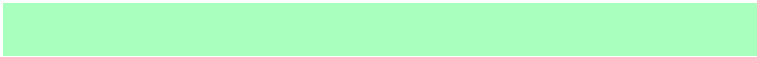
61.2027, 83.5625, 61.6187



91.3373, 83.5625, 160.9894

# Square

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



61.2027, 83.5625, 61.6187



68.3692, 83.5625, 160.3903



100.9435, 83.5625, 128.4543

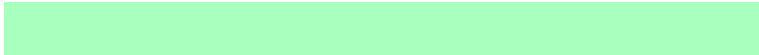


91.6097, 83.5625, 45.2000



# Rectangle

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



61.2027, 83.5625, 61.6187



59.6915, 83.5625, 114.9445



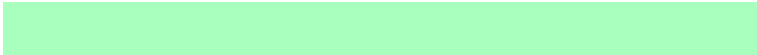
100.9435, 83.5625, 128.4543



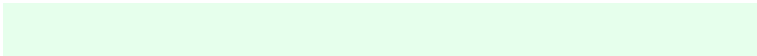
103.0857, 83.5625, 70.6109

# Sweetspot

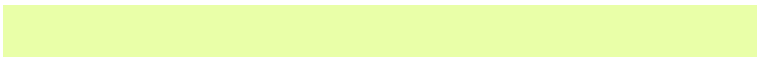
The Sweet Spot groups the original color and five complimentary colors.



61.2033, 83.5628, 61.6200



83.3657, 94.3135, 93.1282



76.5141, 91.7130, 50.7163



17.5181, 20.0287, 19.4867



0.0000, 0.0000, 0.0000

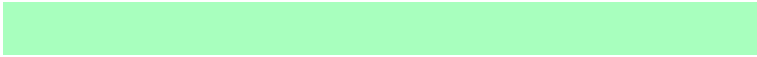


20.3446, 21.4041, 23.3091



# Same Dimension

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



61.2033, 83.5628, 61.6200



56.3454, 81.2167, 54.2438



66.6526, 85.7425, 90.3155



17.9600, 20.2435, 20.0923



19.2264, 37.5872, 9.0776



1.9138, 3.6764, 1.1037



# Inverse Universe

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



69.9508, 55.1490, 84.0483



66.2999, 48.8492, 79.7420



64.5100, 52.9727, 55.3975



18.5849, 18.2173, 21.6971



26.4980, 13.0885, 27.0709

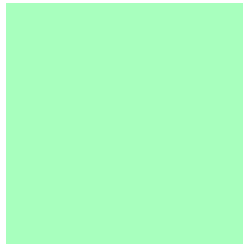


2.6240, 1.2920, 2.8674



# Previews

## White Background



This preview shows how the XYZ color 61.2027, 83.5625, 61.6187 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

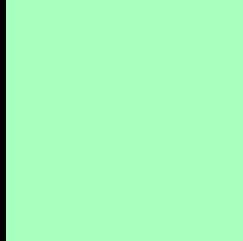
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.2027, 83.5625, 61.6187 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

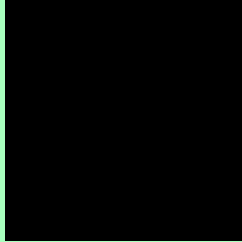
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

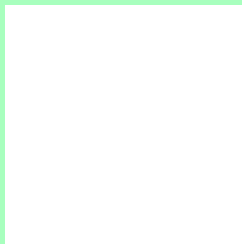
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 61.2027, 83.5625, 61.6187

## Background



This preview shows how black text looks on a background with the XYZ color 61.2027, 83.5625, 61.6187.



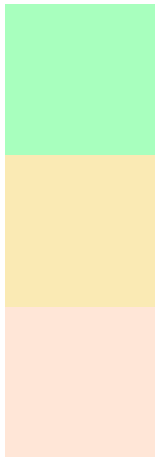
This preview shows how white text looks on a background with the XYZ color 61.2027, 83.5625,

61.6187.

# 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

61.2027, 83.5625, 61.6187

### Protanopia

77.0854, 82.4649, 55.0345

### Deuteranopia

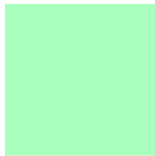
81.8026, 82.7599, 75.9528



## Tritanopia

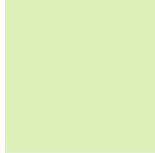
74.1593, 83.2808, 106.7739

# Trichromacy



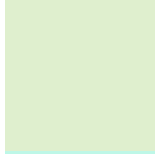
## Original Color

61.2027, 83.5625, 61.6187



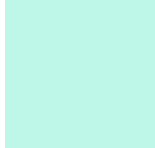
## Protanomaly

69.9191, 82.1806, 57.5247



## Deuteranomaly

72.4385, 81.8772, 70.3785



## Tritanomaly

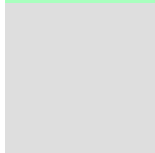
68.9198, 83.2382, 88.0354

# Monochromacy



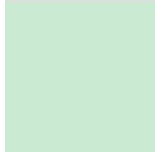
## Original Color

61.2027, 83.5625, 61.6187



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

65.4128, 76.0553, 72.2053

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.2027, 83.5625, 61.6187 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(168, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 190)  
}
```

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(168, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 61.2027, 83.5625, 61.6187 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(168, 255, 190) }
```



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

```
.border{ border-color:rgb(168, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.2027, 83.5625, 61.6187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 190) }
```

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

```
.background{ background-color: rgb(168,  
255, 190) }
```

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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