

# Converting Colors

XYZ(70.6284, 100.0000,  
64.3677)

Have a look what the booklet for  
XYZ(70.6284, 100.0000, 64.3677)  
contains.

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# Color

**XYZ(62.7335, 84.3517,  
61.6903)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFFFBE
RGB	175, 255, 190
RGB Percent	69%, 100%, 75%
CMY	0.3137, 0.0000, 0.2549
CMYK	0.31, 0.00, 0.25, 0.00
HSL	131°, 100%, 84%
HSV	131°, 31%, 100%
XYZ	62.7335, 84.3517, 61.6903
YIQ	223.6700, -26.8150, -37.1750

# Conversions

## Conversions Part 2

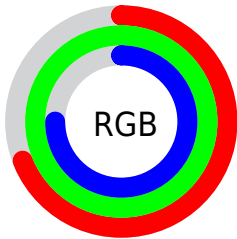
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 242, 255
Decimal	11534270
CIELab	93.60, -37.09, 23.48
CIELCh	94, 43.897, 147.669
Yxy	84.3517, 0.3005, 0.4040
Android (android.graphics.Color)	4289724350 (0xFFAFFFBE)
YUV	223.6700, -16.5993, -42.6836
Hunter-Lab	91.8432, -38.8011, 24.4656

# Details

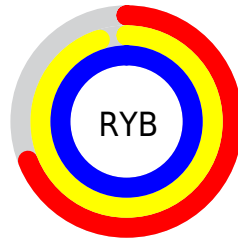
The XYZ color **62.7335, 84.3517, 61.6903** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **72.2984, 58.2118, 89.8631**, and the grayscale version is **70.7441, 74.4283, 81.0524**.

A 20% lighter version of the original color is **85.8272, 95.3912, 101.8845**, and **32.3837, 46.1588, 30.4953** is the 20% darker color. If you saturate the color by 10%, you get **55.4343, 80.8321, 50.3564**, and if you desaturate by 10%, it is **71.4365, 88.5577, 74.7729**.

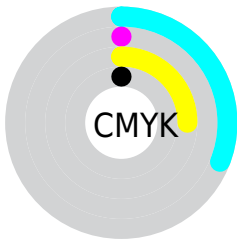
# Distribution



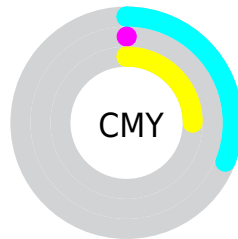
- Red (69%)
- Green (100%)
- Blue (75%)



- Red (69%)
- Yellow (95%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7335, 84.3517, 61.6903 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 62.7335, 84.3517, 61.6903 by changing the saturation by 10% instead.





 62.7335, 84.3517,  
61.6903

 62.7335, 84.3517,  
61.6903


424.2767,  
509.4804, 448.7769

 45.8835, 63.3058,  
44.3483


 107.8689,  
139.4670, 108.8451

 32.3581, 46.0887,  
30.6052


136.8850,  
174.3053, 139.4949

 21.7921, 32.3158,  
20.0425


170.6872,  
214.5099, 175.4178

 13.8199, 21.6028,  
12.2416

209.6408,  
260.4651, 217.0323

 8.0764, 13.5654,  
6.7839

254.1112,  
312.5553, 264.7569

 4.1961, 7.8190,  
3.2509

304.4638,

 1.8137, 3.9793,

371.1651, 319.0102

1.2241

361.0638,  
436.6786, 380.2107

■ 0.5259, 1.6620,  
0.0000

■ 0.0000, 0.3989,  
0.0000

■ 62.7335, 84.3517,  
61.6903

■ 62.7335, 84.3517,  
61.6903

■ 55.4343, 80.8321,  
50.3564

■ 71.4365, 88.5577,  
74.7729

■ 49.4626, 77.9613,  
40.6933

■ 81.6105, 93.4834,  
89.6697

■ 44.7375, 75.6992,  
32.6228

■ 93.3203, 99.1608,  
106.4479

■ 41.1684, 74.0008,  
26.0592

■ 95.0500, 100.0000,  
108.9000

■ 38.6518, 72.8148,  
20.9085

■ 37.0652, 72.0803,  
17.0661

■ 36.2897, 71.7319,  
14.7094

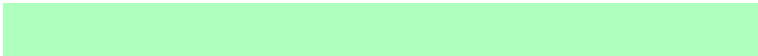
# Harmonies

## Analogous

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



70.2372, 84.3517, 46.0209



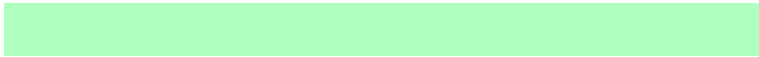
62.7335, 84.3517, 61.6903



59.8524, 84.3517, 89.2657

# Triad

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



62.7335, 84.3517, 61.6903



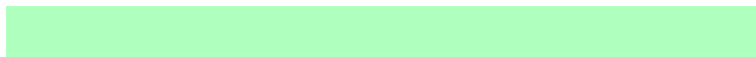
79.2681, 84.3517, 171.7891



101.6405, 84.3517, 65.2139

# Complementary

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



62.7335, 84.3517, 61.6903



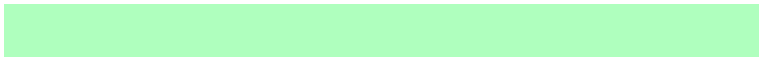
72.2984, 58.2118, 89.8631

# 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.



104.6414, 84.3517, 94.4729



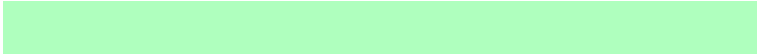
62.7335, 84.3517, 61.6903



91.0059, 84.3517, 160.9928

# Square

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



62.7335, 84.3517, 61.6903



68.8054, 84.3517, 157.2374



100.5793, 84.3517, 130.5044

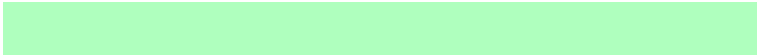


92.7300, 84.3517, 47.6830



# Rectangle

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



62.7335, 84.3517, 61.6903



60.7089, 84.3517, 112.6730



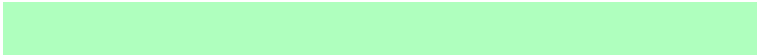
100.5793, 84.3517, 130.5044



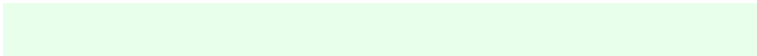
103.4093, 84.3517, 73.7556

# Sweetspot

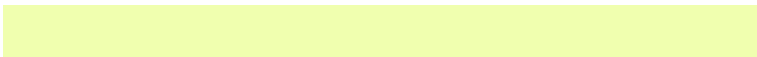
The Sweet Spot groups the original color and five complimentary colors.



62.7341, 84.3520, 61.6916



84.2467, 94.7609, 93.4767



79.5466, 93.1989, 54.3549



17.6839, 20.1139, 19.5053



0.0000, 0.0000, 0.0000

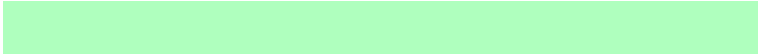


20.3446, 21.4041, 23.3091

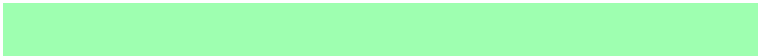


# Same Dimension

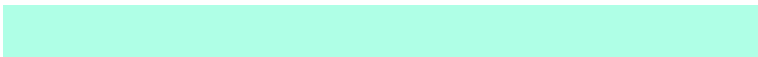
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.7341, 84.3520, 61.6916



57.7434, 81.9445, 53.9879



67.6758, 86.3286, 87.7143



17.9107, 20.2238, 19.8326



19.0017, 37.4973, 7.8942



1.8854, 3.6651, 0.9544



# Inverse Universe

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



72.2984, 58.2118, 89.8631



68.7452, 51.8523, 86.3759



67.0348, 56.1064, 62.1453



18.6380, 18.2385, 21.9767



27.4979, 13.4884, 32.3359

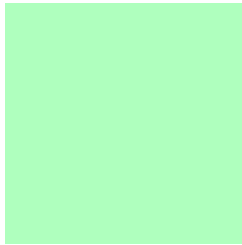


2.7134, 1.3277, 3.3381



# Previews

## White Background



This preview shows how the XYZ color 62.7335, 84.3517, 61.6903 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 62.7335, 84.3517, 61.6903 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 62.7335, 84.3517, 61.6903**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.7335, 84.3517, 61.6903.



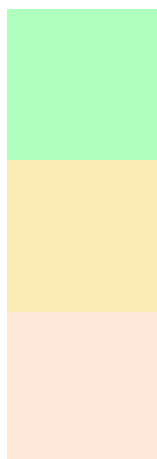
This preview shows how white text looks on a background with the XYZ color 62.7335, 84.3517,

61.6903.

# 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

62.7335, 84.3517, 61.6903

### Protanopia

78.1937, 83.4483, 55.7019

### Deuteranopia

82.3403, 83.4216, 77.4078



## Tritanopia

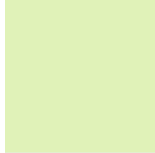
75.5343, 83.9897, 106.8383

# Trichromacy



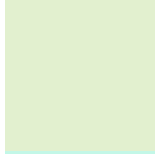
## Original Color

62.7335, 84.3517, 61.6903



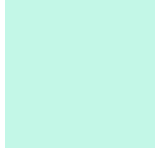
## Protanomaly

71.1443, 82.8122, 57.5821



## Deuteranomaly

73.7866, 82.9939, 71.1619



## Tritanomaly

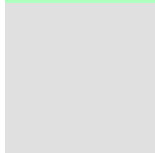
70.1902, 83.8932, 88.0949

# Monochromacy



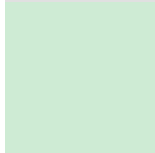
## Original Color

62.7335, 84.3517, 61.6903



## Achromatopsia

70.8507, 74.5404, 81.1745



## Achromatomaly

67.0456, 77.2919, 73.6725

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.7335, 84.3517, 61.6903 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(175, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 62.7335, 84.3517, 61.6903 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(175, 255, 190) }
```



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

```
.border{ border-color:rgb(175, 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(175, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.7335, 84.3517, 61.6903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 190) }
```

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

```
.background{ background-color: rgb(175,  
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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