

# Converting Colors

XYZ(62.2635, 84.3773, 49.5640)

Have a look what the booklet for  
XYZ(62.2635, 84.3773, 49.5640)  
contains.

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# Color

**XYZ(62.2635, 84.3773,  
49.5640)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7FFA7
RGB	183, 255, 167
RGB Percent	72%, 100%, 65%
CMY	0.2823, 0.0000, 0.3451
CMYK	0.28, 0.00, 0.35, 0.00
HSL	109°, 100%, 83%
HSV	109°, 35%, 100%
XYZ	62.2635, 84.3773, 49.5640
YIQ	223.4400, -14.6640, -42.6320

# Conversions

## Conversions Part 2

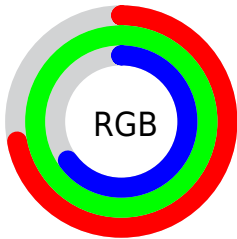
Format	Color
<a href="#">RYB</a>	<a href="#">167, 255, 239</a>
Decimal	<a href="#">12058535</a>
CIELab	<a href="#">93.61, -38.23, 35.14</a>
CIElCh	<a href="#">94, 51.926, 137.412</a>
Yxy	<a href="#">84.3773, 0.3173, 0.4300</a>
Android (android.graphics.Color)	<a href="#">4290248615</a> ( <a href="#">0xFFB7FFA7</a> )
YUV	<a href="#">223.4400, -27.8249, -35.4659</a>
Hunter-Lab	<a href="#">91.8571, -39.7573, 32.3085</a>

# Details

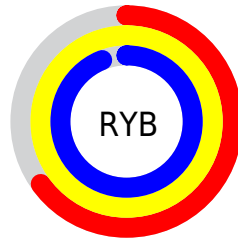
The XYZ color **62.2635, 84.3773, 49.5640** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **67.4663, 53.2094, 101.3223**, and the grayscale version is **70.6512, 74.3306, 80.9460**.

A 20% lighter version of the original color is **85.3549, 95.5485, 83.7561**, and **32.1334, 46.1923, 23.1420** is the 20% darker color. If you saturate the color by 10%, you get **55.5333, 81.1538, 38.1331**, and if you desaturate by 10%, it is **70.1951, 88.1664, 63.4798**.

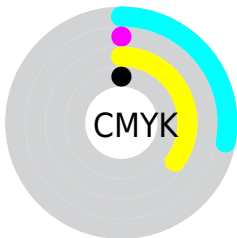
# Distribution



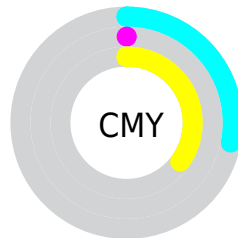
- Red (72%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (94%)



- Cyan (28%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.2635, 84.3773, 49.5640 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 62.2635, 84.3773, 49.5640 by changing the saturation by 10% instead.





 62.2635, 84.3773,  
49.5640


 62.2635, 84.3773,  
49.5640


422.5939,  
509.5653, 401.6446

 45.5021, 63.3270,  
34.6983


 107.1941,  
139.5028, 90.9182

 32.0560, 46.1058,  
23.1489


 136.0939,  
174.3469, 118.2438

 21.5600, 32.3293,  
14.4972


169.7706,  
214.5576, 150.5598

 13.6488, 21.6132,  
8.3246

208.5894,  
260.5194, 188.2847

 7.9569, 13.5729,  
4.2126

252.9158,  
312.6166, 231.8371

 4.1189, 7.8242,  
1.7427

303.1151,

 1.7696, 3.9827,

371.2338, 281.6355

0.3897

359.5527,  
436.7552, 338.0985

■ 0.4993, 1.6639,  
0.0000

■ 0.0000, 0.4001,  
0.0000

■ 62.2635, 84.3773,  
49.5640

■ 62.2635, 84.3773,  
49.5640

■ 55.5333, 81.1538,  
38.1331

■ 70.1951, 88.1664,  
63.4798

■ 49.9435, 78.4677,  
29.0373

■ 79.3821, 92.5461,  
80.0107

■ 45.4295, 76.2892,  
22.1163

■ 89.8771, 97.5408,  
99.2827

■ 41.9196, 74.5851,  
17.1884

95.0500, 100.0000,  
108.9000

■ 39.3326, 73.3185,  
14.0422

■ 37.5736, 72.4458,  
12.4187

■ 36.9030, 72.1092,  
11.9735

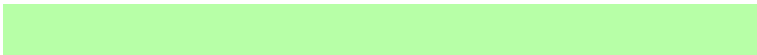
# Harmonies

## Analogous

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



72.5432, 84.3773, 36.9033



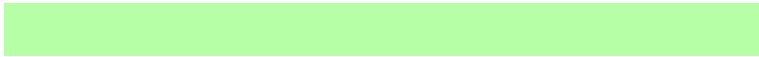
62.2635, 84.3773, 49.5640



57.0610, 84.3773, 76.3368

# Triad

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



62.2635, 84.3773, 49.5640



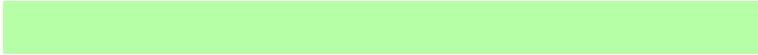
74.5722, 84.3773, 187.3684



108.1664, 84.3773, 71.0243

# Complementary

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



62.2635, 84.3773, 49.5640



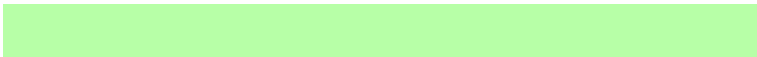
67.4663, 53.2094, 101.3223

# Split Complementary

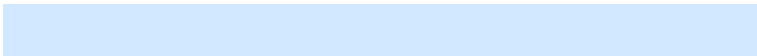
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.8710, 84.3773, 109.3848



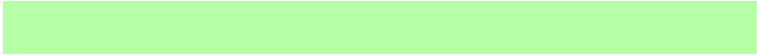
62.2635, 84.3773, 49.5640



88.3734, 84.3773, 184.7282

# Square

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



62.2635, 84.3773, 49.5640



63.6022, 84.3773, 159.6636



101.2830, 84.3773, 153.2378

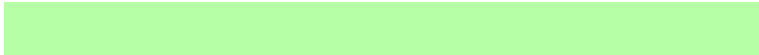


99.4557, 84.3773, 46.6371



# Rectangle

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



62.2635, 84.3773, 49.5640



56.7312, 84.3773, 101.9914



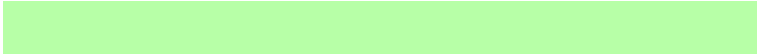
101.2830, 84.3773, 153.2378



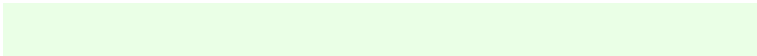
109.3803, 84.3773, 82.4461

# Sweetspot

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



62.2640, 84.3775, 49.5653



83.9492, 94.7206, 88.3536



79.0429, 85.7053, 48.9372



17.6577, 20.1261, 18.3418



0.0000, 0.0000, 0.0000

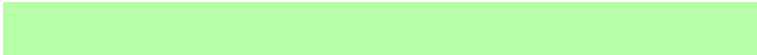


20.3446, 21.4041, 23.3091

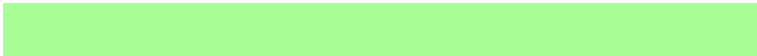


# Same Dimension

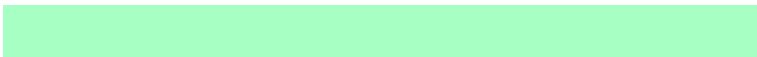
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.2640, 84.3775, 49.5653



57.7619, 82.2223, 41.8706



61.5323, 83.6699, 64.4586



18.0795, 20.3269, 19.1149



19.3707, 37.7241, 6.2605



1.9653, 3.7139, 0.6133



# Inverse Universe

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



67.4663, 53.2094, 101.3223



63.6178, 47.0081, 100.3282



68.9428, 54.4518, 79.6467



18.4497, 18.1236, 22.7757



23.2348, 10.8885, 50.3117

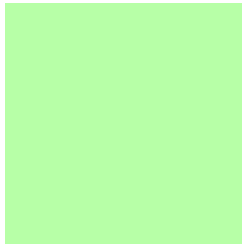


2.3427, 1.1016, 4.9024



# Previews

## White Background



This preview shows how the XYZ color 62.2635, 84.3773, 49.5640 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 62.2635, 84.3773, 49.5640 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

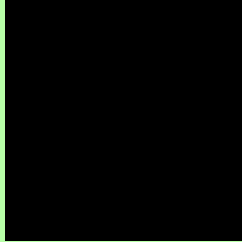
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

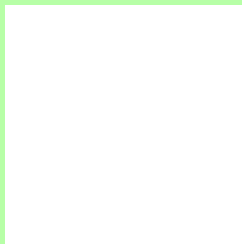
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 62.2635, 84.3773, 49.5640

## Background



This preview shows how black text looks on a background with the XYZ color 62.2635, 84.3773, 49.5640.



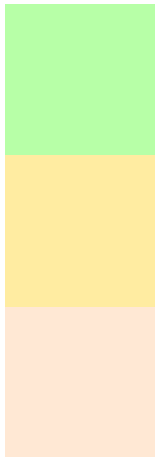
This preview shows how white text looks on a background with the XYZ color 62.2635, 84.3773,

49.5640.

# 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

62.2635, 84.3773, 49.5640

### Protanopia

77.6685, 83.8241, 45.8043

### Deuteranopia

81.9803, 83.7267, 74.1274



## Tritanopia

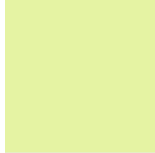
76.3693, 83.9795, 106.7923

# Trichromacy



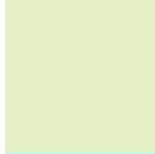
## Original Color

62.2635, 84.3773, 49.5640



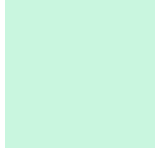
## Protanomaly

70.9745, 83.4035, 47.0081



## Deuteranomaly

73.4370, 82.9637, 64.3676



## Tritanomaly

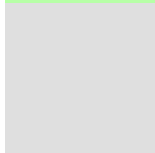
70.3624, 83.6568, 82.2509

# Monochromacy



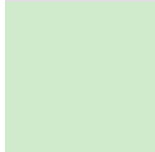
## Original Color

62.2635, 84.3773, 49.5640



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

66.5002, 77.1384, 67.8842

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.2635, 84.3773, 49.5640 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(183, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 167)  
}
```

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(183, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 62.2635, 84.3773, 49.5640 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(183, 255, 167) }
```



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

```
.border{ border-color:rgb(183, 255, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.2635, 84.3773, 49.5640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 167) }
```

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

```
.background{ background-color: rgb(183,  
255, 167) }
```

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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