

# Converting Colors

XYZ(63.8901, 79.0478, 63.5860)

Have a look what the booklet for  
XYZ(63.8901, 79.0478, 63.5860)  
contains.

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# **Color**

**XYZ(63.8506, 78.9137,  
63.4963)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C2F2C3
RGB	194, 242, 195
RGB Percent	76%, 95%, 76%
CMY	0.2392, 0.0510, 0.2353
CMYK	0.20, 0.00, 0.19, 0.05
HSL	121°, 65%, 85%
HSV	121°, 20%, 95%
XYZ	63.8506, 78.9137, 63.4963
YIQ	222.2900, -13.5210, -24.7930

# Conversions

## Conversions Part 2

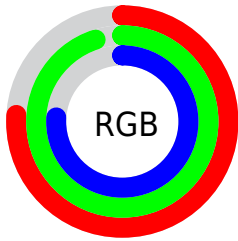
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 241, 242
Decimal	12776131
CIELab	91.20, -24.14, 17.73
CIELCh	91, 29.953, 143.715
Yxy	78.9137, 0.3096, 0.3826
Android (android.graphics.Color)	4290966211 (0xFFC2F2C3)
YUV	222.2900, -13.4540, -24.8103
Hunter-Lab	88.8334, -27.1583, 19.8041

# Details

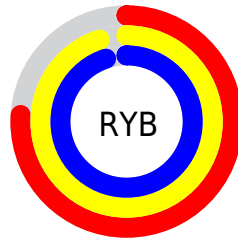
The XYZ color **63.8506, 78.9137, 63.4963** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.7897, 63.8135, 91.7562**, and the grayscale version is **69.7369, 73.3686, 79.8984**.

A 20% lighter version of the original color is **93.1143, 99.0575, 106.3078**, and **33.1818, 42.6163, 31.6762** is the 20% darker color. If you saturate the color by 10%, you get **55.6681, 74.9831, 50.2203**, and if you desaturate by 10%, it is **73.4740, 83.5425, 79.0624**.

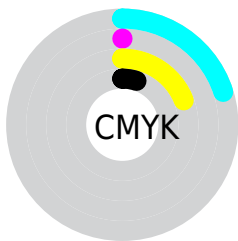
# Distribution



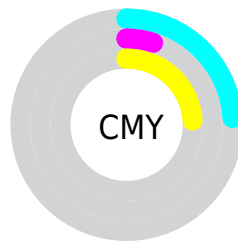
- Red (76%)
- Green (95%)
- Blue (76%)



- Red (76%)
- Yellow (95%)
- Blue (95%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (5%)




- Cyan (24%)
- Magenta (5%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8506, 78.9137, 63.4963 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 63.8506, 78.9137, 63.4963 by changing the saturation by 10% instead.




 63.8506, 78.9137,  
63.4963

 63.8506, 78.9137,  
63.4963


428.2607,  
491.2643, 455.5259

 46.7909, 58.8249,  
45.7993


 109.4707,  
131.8374, 111.4777

 33.0776, 42.4721,  
31.7399


138.7618,  
165.4410, 142.5991

 22.3455, 29.4712,  
20.8997


172.8607,  
204.3183, 179.0324

 14.2290, 19.4375,  
12.8602

212.1329,  
248.8537, 221.1961

 8.3629, 11.9869,  
7.2028

256.9436,  
299.4316, 269.5088

 4.3818, 6.7347,  
3.5089


307.6583,


 1.9203, 3.2968,


356.4364, 324.3889


1.3600


364.6422,  
420.2526, 386.2551


 0.5886, 1.2886,  
0.1102

 0.0000, 0.1323,  
0.0000


 63.8506, 78.9137,  
63.4963


 63.8506, 78.9137,  
63.4963

 55.6681, 74.9831,  
50.2203


 73.4740, 83.5425,  
79.0624

 48.8512, 71.7075,  
39.1215

 84.5962, 88.8904,  
97.0140

 43.3276, 69.0543,  
30.0853

 91.0437, 91.9873,  
107.5646

 39.0155, 66.9840,  
22.9847

■ 35.8239, 65.4528,  
17.6784

■ 33.6492, 64.4107,  
14.0061

■ 32.3681, 63.7983,  
11.7791

■ 31.7884, 63.5218,  
10.7415

■ 31.7813, 63.5184,  
10.7301

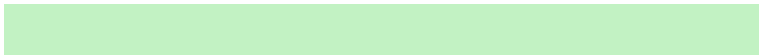
# Harmonies

## Analogous

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



69.2900, 78.9137, 53.0703



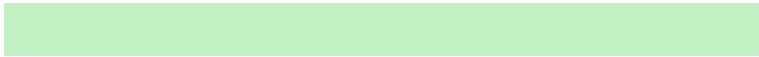
63.8506, 78.9137, 63.4963



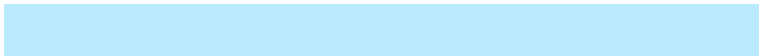
61.4202, 78.9137, 81.4312

# Triad

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



63.8506, 78.9137, 63.4963



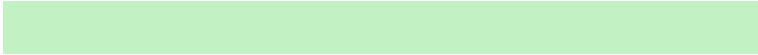
73.4196, 78.9137, 134.4965



89.1684, 78.9137, 70.1931

# Complementary

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



63.8506, 78.9137, 63.4963



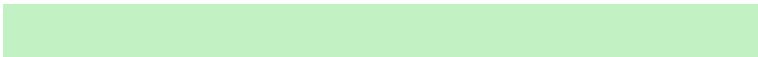
71.7897, 63.8135, 91.7562

# 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.



90.4586, 78.9137, 90.5783



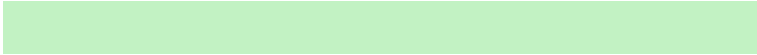
63.8506, 78.9137, 63.4963



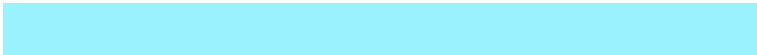
81.0261, 78.9137, 130.1272

# Square

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



63.8506, 78.9137, 63.4963



66.6996, 78.9137, 124.1891



87.3885, 78.9137, 113.0932

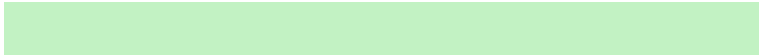


83.9729, 78.9137, 56.4565



# Rectangle

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



63.8506, 78.9137, 63.4963



61.7079, 78.9137, 96.2140



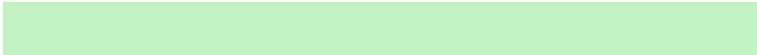
87.3885, 78.9137, 113.0932



90.0872, 78.9137, 76.3944

# Sweetspot

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



63.8527, 78.9171, 63.4980



87.3244, 96.2852, 96.4352



77.8371, 86.1393, 63.5639



18.5191, 20.5263, 20.3635



0.0000, 0.0000, 0.0000

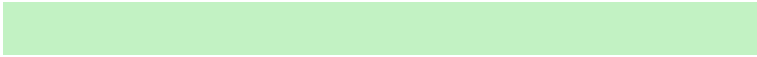


20.3446, 21.4041, 23.3091

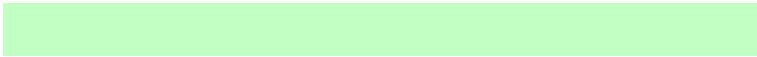


# Same Dimension

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



63.8527, 78.9171, 63.4980



67.8157, 86.9064, 64.8749



66.7625, 80.0810, 78.8206



15.5793, 17.6617, 16.8073



17.0785, 34.1234, 5.7962



1.4254, 2.8406, 0.5067



# Inverse Universe

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



71.7897, 63.8135, 91.7562



78.3326, 66.8927, 102.3178



68.4627, 62.4827, 74.2363



16.4392, 16.0254, 19.8691



27.8866, 13.4271, 44.1810

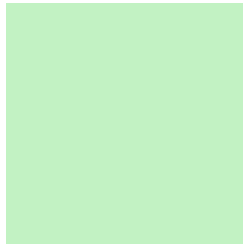


2.3244, 1.1188, 3.6992



# Previews

## White Background



This preview shows how the XYZ color 63.8506, 78.9137, 63.4963 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

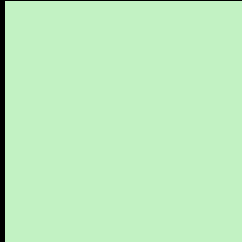
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.8506, 78.9137, 63.4963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

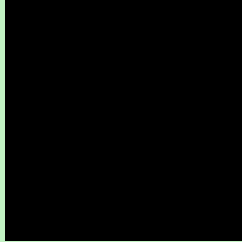
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

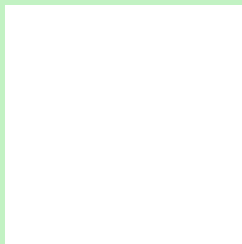
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 63.8506, 78.9137, 63.4963**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.8506, 78.9137, 63.4963.



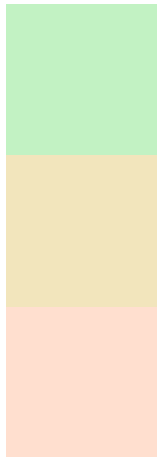
This preview shows how white text looks on a background with the XYZ color 63.8506, 78.9137,

63.4963.

# 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

63.8506, 78.9137, 63.4963

### Protanopia

73.7144, 78.5467, 58.8528

### Deuteranopia

78.8902, 78.5403, 70.0333



## Tritanopia

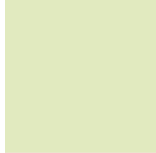
72.0543, 78.7749, 104.3359

# Trichromacy



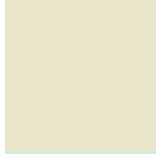
## Original Color

63.8506, 78.9137, 63.4963



## Protanomaly

69.8781, 78.6148, 60.7814



## Deuteranomaly

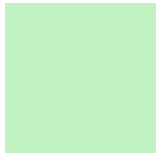
72.6806, 78.2291, 67.7690



## Tritanomaly

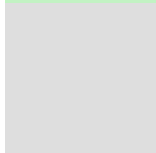
68.6691, 78.6739, 87.9103

# Monochromacy



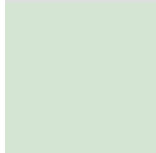
## Original Color

63.8506, 78.9137, 63.4963



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

67.0544, 74.7891, 73.1890

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.8506, 78.9137, 63.4963 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(194, 242, 195)` looks like.

```
.text, #text, p{  
    color:rgb(194, 242, 195)  
}
```

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(194, 242, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 242, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 63.8506, 78.9137, 63.4963 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(194, 242, 195) }
```



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

```
.border{ border-color:rgb(194, 242, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 242, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 242, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 242, 195);  
box-shadow:4px 4px 4px 4px rgb(194, 242,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.8506, 78.9137, 63.4963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 242, 195) }
```

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

```
.background{ background-color: rgb(194,  
242, 195) }
```

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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