

# Converting Colors

XYZ(63.1313, 77.3912, 55.8692)

Have a look what the booklet for  
XYZ(63.1313, 77.3912, 55.8692)  
contains.

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# Color

**XYZ(63.1294, 77.3898,  
55.8664)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8EFB6
RGB	200, 239, 182
RGB Percent	78%, 94%, 71%
CMY	0.2157, 0.0627, 0.2863
CMYK	0.16, 0.00, 0.24, 0.06
HSL	101°, 64%, 83%
HSV	101°, 24%, 94%
XYZ	63.1294, 77.3898, 55.8664
YIQ	220.8410, -4.9470, -25.9950

# Conversions

## Conversions Part 2

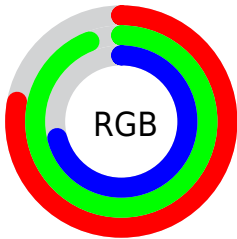
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 239, 221
Decimal	13168566
CIELab	90.50, -22.81, 23.51
CIELCh	91, 32.753, 134.130
Yxy	77.3898, 0.3215, 0.3941
Android (android.graphics.Color)	4291358646 (0xFFC8EFB6)
YUV	220.8410, -19.1486, -18.2776
Hunter-Lab	87.9715, -25.8563, 23.9278

# Details

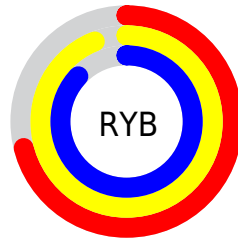
The XYZ color **63.1294, 77.3898, 55.8664** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.1300, 55.0623, 89.0190**, and the grayscale version is **68.7500, 72.3304, 78.7678**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **32.5730, 41.4717, 27.0569** is the 20% darker color. If you saturate the color by 10%, you get **56.7310, 74.3551, 43.7555**, and if you desaturate by 10%, it is **70.4207, 80.8407, 70.2228**.

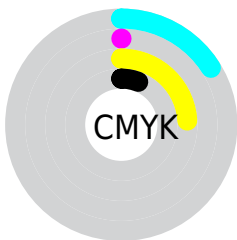
# Distribution



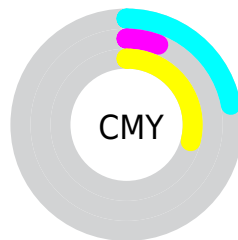
- Red (78%)
- Green (94%)
- Blue (71%)



- Red (71%)
- Yellow (94%)
- Blue (87%)



- Cyan (16%)
- Magenta (0%)
- Yellow (24%)
- Black (6%)




- Cyan (22%)
- Magenta (6%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1294, 77.3898, 55.8664 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 63.1294, 77.3898, 55.8664 by changing the saturation by 10% instead.





 63.1294, 77.3898,  
55.8664

 63.1294, 77.3898,  
55.8664


425.6912,  
486.0920, 426.5620

 46.2049, 57.5729,  
39.6925


 108.4369,  
129.6896, 100.2931

 32.6129, 41.4653,  
26.9869


137.5507,  
162.9412, 129.3829

 21.9879, 28.6829,  
17.3311


171.4583,  
201.4398, 163.6152

 13.9645, 18.8411,  
10.3064

210.5251,  
245.5699, 203.4085

 8.1775, 11.5555,  
5.4943

255.1164,  
295.7157, 249.1813

 4.2615, 6.4418,  
2.4763


305.5977,


 1.8511, 3.1155,


352.2618, 301.3521


0.8276


362.3341,  
415.5924, 360.3395


 0.5482, 1.1923,  
0.0000


 0.0000, 0.0554,  
0.0000


 63.1294, 77.3898,  
55.8664


 63.1294, 77.3898,  
55.8664

 56.7310, 74.3551,  
43.7555


 70.4207, 80.8407,  
70.2228


 51.1835, 71.7104,  
33.7717

 78.6327, 84.7130,  
86.9249

 46.4501, 69.4420,  
25.7932

 87.7994, 89.0242,  
106.0732

 42.4890, 67.5311,  
19.6842

 90.1581, 90.2162,  
107.2694

■ 39.2540, 65.9572,  
15.2917

■ 36.6932, 64.6976,  
12.4387

■ 34.7461, 63.7257,  
10.9097

■ 33.8063, 63.2509,  
10.4269

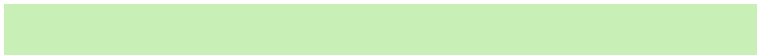
# Harmonies

## Analogous

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



69.7795, 77.3898, 47.6648



63.1294, 77.3898, 55.8664



59.4277, 77.3898, 72.5258

# Triad

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



63.1294, 77.3898, 55.8664



69.3348, 77.3898, 135.5045



89.9057, 77.3898, 73.7286

# Complementary

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



63.1294, 77.3898, 55.8664



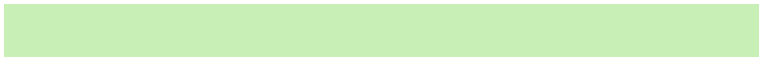
62.1300, 55.0623, 89.0190

# 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.



89.7644, 77.3898, 97.2057



63.1294, 77.3898, 55.8664



77.4678, 77.3898, 135.9913

# Square

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



63.1294, 77.3898, 55.8664



62.8247, 77.3898, 119.7222



85.0732, 77.3898, 120.9495

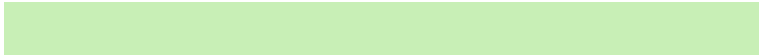


85.4461, 77.3898, 56.6055



# Rectangle

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



63.1294, 77.3898, 55.8664



58.9440, 77.3898, 87.5541



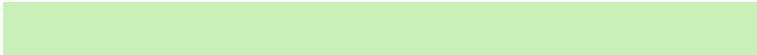
85.0732, 77.3898, 120.9495



90.4045, 77.3898, 81.0581

# Sweetspot

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



63.1314, 77.3931, 55.8681



87.9564, 96.6598, 94.2571



69.8866, 73.4180, 54.7448



18.7008, 20.6300, 19.9186



0.0000, 0.0000, 0.0000

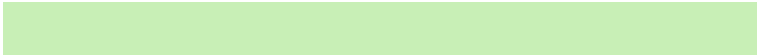


20.3446, 21.4041, 23.3091

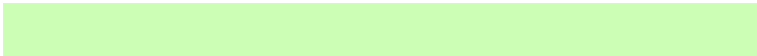


# Same Dimension

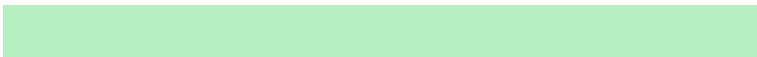
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.1314, 77.3931, 55.8681



69.1171, 87.7522, 57.0380



59.7247, 75.5074, 61.5591



16.0356, 17.8985, 16.7593



18.8008, 35.0137, 5.7674



1.6632, 2.9639, 0.4844



# Inverse Universe

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



62.1300, 55.0623, 89.0190



67.7494, 57.3854, 102.1135



66.4076, 57.4407, 81.3904



15.9406, 15.7666, 19.9247



17.1594, 7.8514, 45.7389

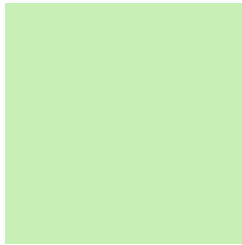


1.5299, 0.7060, 3.8098



# Previews

## White Background



This preview shows how the XYZ color 63.1294, 77.3898, 55.8664 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

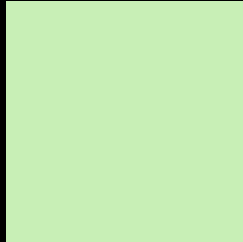
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.1294, 77.3898, 55.8664 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

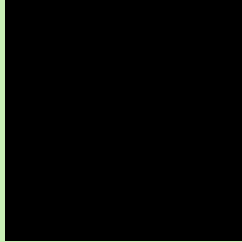
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.1294, 77.3898, 55.8664

## Background



This preview shows how black text looks on a background with the XYZ color 63.1294, 77.3898, 55.8664.



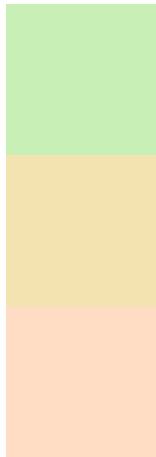
This preview shows how white text looks on a background with the XYZ color 63.1294, 77.3898,

55.8664.

# 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

63.1294, 77.3898, 55.8664

### Protanopia

71.9235, 76.9500, 52.1364

### Deuteranopia

77.1745, 77.0041, 63.6191



## Tritanopia

71.8184, 77.0726, 99.8982

# Trichromacy



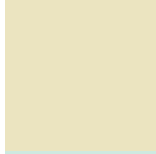
## Original Color

63.1294, 77.3898, 55.8664



## Protanomaly

68.2903, 76.6971, 53.3242



## Deuteranomaly

71.5188, 76.9547, 60.9535



## Tritanomaly

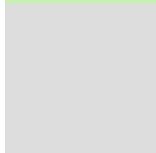
68.0471, 76.7815, 81.7548

# Monochromacy



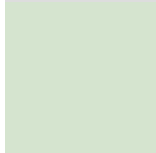
## Original Color

63.1294, 77.3898, 55.8664



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

66.4465, 74.1379, 69.8394

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.1294, 77.3898, 55.8664 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(200, 239, 182)` looks like.

```
.text, #text, p{  
    color:rgb(200, 239, 182)  
}
```

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(200, 239, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 239, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 63.1294, 77.3898, 55.8664 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(200, 239, 182) }
```



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

```
.border{ border-color:rgb(200, 239, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 239, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 239, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 239, 182);  
box-shadow:4px 4px 4px 4px rgb(200, 239,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.1294, 77.3898, 55.8664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 239, 182) }
```

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

```
.background{ background-color: rgb(200,  
239, 182) }
```

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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