

# Converting Colors

XYZ(62.9932, 75.7942, 63.7446)

Have a look what the booklet for  
XYZ(62.9932, 75.7942, 63.7446)  
contains.

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# Color

**XYZ(62.9852, 75.8467,  
63.5448)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5ECC4
RGB	197, 236, 196
RGB Percent	77%, 93%, 77%
CMY	0.2274, 0.0745, 0.2314
CMYK	0.17, 0.00, 0.17, 0.07
HSL	119°, 51%, 85%
HSV	119°, 17%, 93%
XYZ	62.9852, 75.8467, 63.5448
YIQ	219.7790, -10.4040, -20.7080

# Conversions

## Conversions Part 2

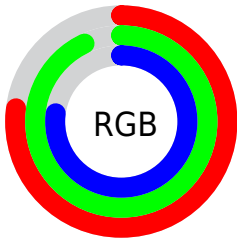
<b>Format</b>	<b>Color</b>
<b>RYB</b>	196, 236, 235
Decimal	12971204
CIELab	89.79, -20.07, 15.26
CIELCh	90, 25.208, 142.753
Yxy	75.8467, 0.3112, 0.3748
Android (android.graphics.Color)	4291161284 (0xFFC5ECC4)
YUV	219.7790, -11.7230, -19.9772
Hunter-Lab	87.0900, -23.3128, 17.7023

# Details

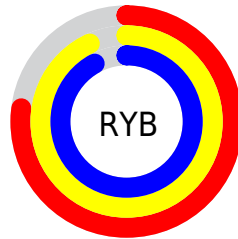
The XYZ color **62.9852, 75.8467, 63.5448** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.1443, 63.2003, 87.9153**, and the grayscale version is **67.9594, 71.4986, 77.8620**.

A 20% lighter version of the original color is **94.3627, 99.6827, 107.1957**, and **32.5314, 40.4352, 31.6814** is the 20% darker color. If you saturate the color by 10%, you get **54.9353, 71.9854, 50.2314**, and if you desaturate by 10%, it is **72.3815, 80.3577, 79.1301**.

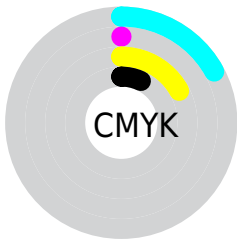
# Distribution



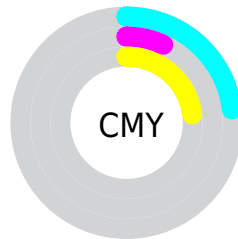
- Red (77%)
- Green (93%)
- Blue (77%)



- Red (77%)
- Yellow (93%)
- Blue (92%)



- Cyan (17%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)



- Cyan (23%)
- Magenta (7%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9852, 75.8467, 63.5448 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 62.9852, 75.8467, 63.5448 by changing the saturation by 10% instead.



62.9852, 75.8467,  
63.5448

62.9852, 75.8467,  
63.5448

425.1763,  
480.8228, 455.7062

46.0878, 56.3068,  
45.8383

108.2301,  
127.5102, 111.5483

32.5201, 40.4490,  
31.7705

137.3083,  
160.4026, 142.6823

21.9165, 27.8888,  
20.9229

171.1776,  
198.5146, 179.1292

13.9118, 18.2418,  
12.8769

210.2032,  
242.2306, 221.3075

8.1407, 11.1237,  
7.2141

254.7505,  
291.9350, 269.6359

4.2376, 6.1501,  
3.5159

305.1849,

1.8374, 2.9366,

348.0123, 324.5328

1.3637

361.8717,  
410.8467, 386.4167

■ 0.5401, 1.0987,  
0.1132

■ 0.0000, 0.0000,  
0.0000

■ 62.9852, 75.8467,  
63.5448

■ 62.9852, 75.8467,  
63.5448

■ 54.9353, 71.9854,  
50.2314

■ 72.3815, 80.3577,  
79.1301

■ 48.1645, 68.7347,  
39.0791

■ 83.1754, 85.5360,  
97.0811

■ 42.6087, 66.0664,  
29.9756

■ 89.2869, 88.4738,  
106.9790

■ 38.1961, 63.9459,  
22.7963

■ 34.8471, 62.3353,  
17.4029

■ 32.4720, 61.1918,  
13.6391

■ 30.9665, 60.4654,  
11.3213

■ 30.2011, 60.0945,  
10.2143

■ 30.0707, 60.0319,  
10.0024

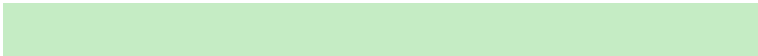
# Harmonies

## Analogous

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



67.5640, 75.8467, 54.8609



62.9852, 75.8467, 63.5448



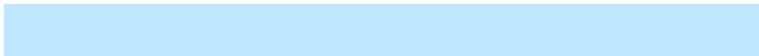
60.8679, 75.8467, 78.3397

# Triad

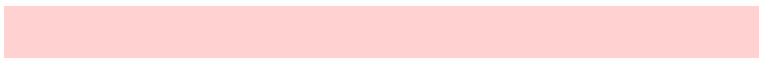
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.9852, 75.8467, 63.5448



70.5923, 75.8467, 121.4221



83.6874, 75.8467, 70.0361

# Complementary

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



62.9852, 75.8467, 63.5448



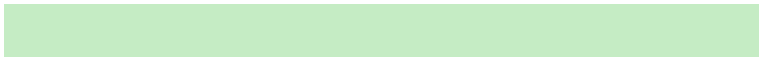
69.1443, 63.2003, 87.9153

# 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.



84.6130, 75.8467, 86.9793



62.9852, 75.8467, 63.5448



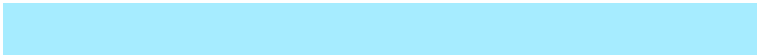
76.8138, 75.8467, 118.3565

# Square

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



62.9852, 75.8467, 63.5448



65.0930, 75.8467, 112.9504



82.0325, 75.8467, 105.0908

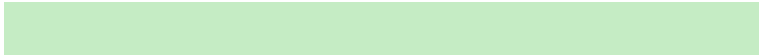


79.5713, 75.8467, 58.2156



# Rectangle

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



62.9852, 75.8467, 63.5448



61.0463, 75.8467, 90.3760



82.0325, 75.8467, 105.0908



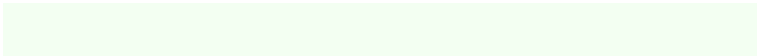
84.3913, 75.8467, 75.2536

# Sweetspot

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



62.9872, 75.8499, 63.5465



88.6380, 96.9238, 98.2379



74.1722, 81.0482, 63.9603



18.7866, 20.6567, 20.7186



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

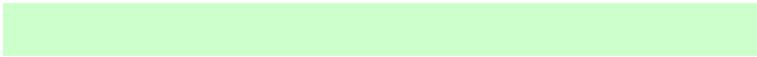


# Same Dimension

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



62.9872, 75.8499, 63.5465



71.9116, 88.8978, 70.4956



64.9858, 76.6192, 75.4318



14.9031, 16.8801, 15.9914



16.5907, 33.0973, 5.5140



1.3151, 2.6053, 0.4336



# Inverse Universe

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



69.1443, 63.2003, 87.9153



80.4157, 71.4249, 104.1558



66.9024, 62.3418, 74.3827



15.6754, 15.2935, 19.0480



26.3696, 12.6299, 44.7910

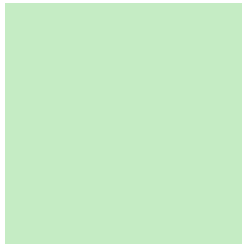


2.0825, 0.9978, 3.5177



# Previews

## White Background



This preview shows how the XYZ color 62.9852, 75.8467, 63.5448 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 62.9852, 75.8467, 63.5448 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 62.9852, 75.8467, 63.5448**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.9852, 75.8467, 63.5448.



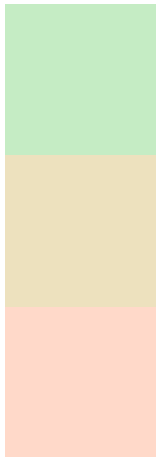
This preview shows how white text looks on a background with the XYZ color 62.9852, 75.8467,

63.5448.

# 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

62.9852, 75.8467, 63.5448

### Protanopia

71.1445, 75.5727, 59.5525

### Deuteranopia

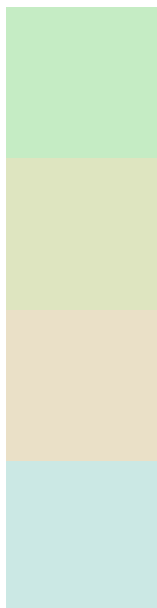
76.5955, 75.1028, 65.7176



## Tritanopia

70.2614, 75.8758, 98.9380

# Trichromacy



## Original Color

62.9852, 75.8467, 63.5448

## Protanomaly

67.6579, 75.3740, 60.8519

## Deuteranomaly

70.8961, 74.9273, 64.7586

## Tritanomaly

67.4888, 76.0112, 84.5134

# Monochromacy



## Original Color

62.9852, 75.8467, 63.5448

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.1056, 73.0929, 72.2522

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.9852, 75.8467, 63.5448 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(197, 236, 196)` looks like.

```
.text, #text, p{  
    color:rgb(197, 236, 196)  
}
```

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(197, 236, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 236, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 62.9852, 75.8467, 63.5448 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(197, 236, 196) }
```



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

```
.border{ border-color:rgb(197, 236, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 236, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 236, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 236, 196);  
box-shadow:4px 4px 4px 4px rgb(197, 236,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.9852, 75.8467, 63.5448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 236, 196) }
```

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

```
.background{ background-color: rgb(197,  
236, 196) }
```

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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