

# Converting Colors

XYZ(62.5667, 75.0543, 58.7666)

Have a look what the booklet for  
XYZ(62.5667, 75.0543, 58.7666)  
contains.

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# **Color**

**XYZ(62.3193, 74.7558,  
58.7217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8EABC
RGB	200, 234, 188
RGB Percent	78%, 92%, 74%
CMY	0.2157, 0.0823, 0.2627
CMYK	0.15, 0.00, 0.20, 0.08
HSL	104°, 52%, 83%
HSV	104°, 20%, 92%
XYZ	62.3193, 74.7558, 58.7217
YIQ	218.5900, -5.4980, -21.5140

# Conversions

## Conversions Part 2

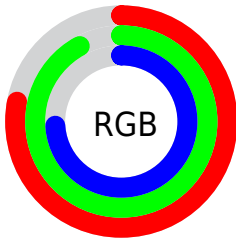
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 234, 222
Decimal	13167292
CIELab	89.28, -19.41, 18.72
CIELCh	89, 26.967, 136.041
Yxy	74.7558, 0.3183, 0.3818
Android (android.graphics.Color)	4291357372 (0xFFC8EABC)
YUV	218.5900, -15.0809, -16.3034
Hunter-Lab	86.4614, -22.6491, 20.2552

# Details

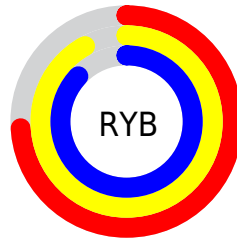
The XYZ color **62.3193, 74.7558, 58.7217** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.9618, 57.4387, 85.6141**, and the grayscale version is **67.1534, 70.6506, 76.9385**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **32.1476, 39.7011, 28.8904** is the 20% darker color. If you saturate the color by 10%, you get **55.6377, 71.5817, 46.2917**, and if you desaturate by 10%, it is **69.9366, 78.3694, 73.3337**.

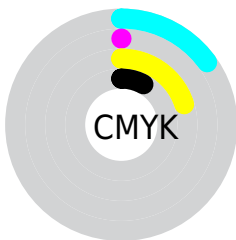
# Distribution



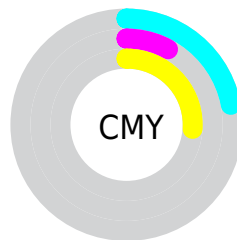
- Red (78%)
- Green (92%)
- Blue (74%)



- Red (74%)
- Yellow (92%)
- Blue (87%)



- Cyan (15%)
- Magenta (0%)
- Yellow (20%)
- Black (8%)




- Cyan (22%)
- Magenta (8%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3193, 74.7558, 58.7217 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 62.3193, 74.7558, 58.7217 by changing the saturation by 10% instead.





 62.3193, 74.7558,  
58.7217

 62.3193, 74.7558,  
58.7217

422.7939,  
477.0778, 437.5429

 45.5473, 55.4129,  
41.9706


 107.2742,  
125.9666, 104.4982

 32.0919, 39.7324,  
28.7529


136.1879,  
158.6033, 134.3607

 21.5876, 27.3299,  
18.6500


169.8794,  
196.4400, 169.4307

 13.6691, 17.8212,  
11.2434

208.7143,  
239.8611, 210.1268

 7.9710, 10.8217,  
6.1146

253.0578,  
289.2511, 256.8676

 4.1281, 5.9471,  
2.8450


303.2754,


 1.7748, 2.8129,


344.9942, 310.0715


1.0160


359.7323,  
407.4750, 370.1571


 0.5024, 1.0349,  
0.0000


 0.0000, 0.0000,  
0.0000


 62.3193, 74.7558,  
58.7217


 62.3193, 74.7558,  
58.7217


 55.6377, 71.5817,  
46.2917


 69.9366, 78.3694,  
73.3337


 49.8488, 68.8207,  
35.9342

 78.5186, 82.4287,  
90.2201

 44.9151, 66.4580,  
27.5378

 87.5800, 86.7439,  
106.7350

 40.7938, 64.4743,  
20.9787

 88.7143, 87.3286,  
106.7881

■ 37.4382, 62.8486,  
16.1189

■ 34.7965, 61.5574,  
12.8009

■ 32.8092, 60.5743,  
10.8378

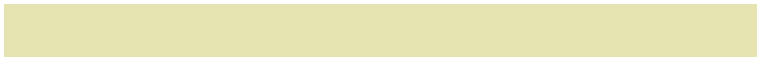
■ 31.3918, 59.8624,  
9.9230

■ 31.3509, 59.8418,  
9.8983

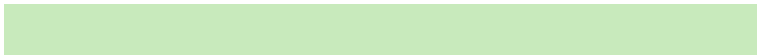
# Harmonies

## Analogous

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



67.6101, 74.7558, 51.2719



62.3193, 74.7558, 58.7217



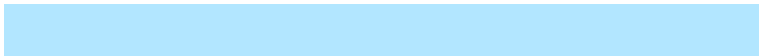
59.4553, 74.7558, 72.9548

# Triad

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



62.3193, 74.7558, 58.7217



68.0410, 74.7558, 121.9231



83.9358, 74.7558, 71.7778

# Complementary

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



62.3193, 74.7558, 58.7217



62.9618, 57.4387, 85.6141

# 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.



84.0689, 74.7558, 90.4652



62.3193, 74.7558, 58.7217



74.6112, 74.7558, 121.4771

# Square

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



62.3193, 74.7558, 58.7217



62.6179, 74.7558, 110.4029



80.5671, 74.7558, 109.2649

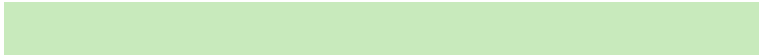


80.2138, 74.7558, 57.9753



# Rectangle

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



62.3193, 74.7558, 58.7217



59.1860, 74.7558, 85.2741



80.5671, 74.7558, 109.2649



84.4092, 74.7558, 77.6380

# Sweetspot

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



62.3213, 74.7590, 58.7233



88.6446, 96.9713, 96.2499



69.0624, 73.2275, 58.0724



18.8300, 20.6879, 20.3200



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

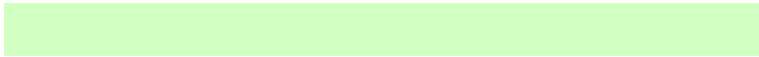


# Same Dimension

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



62.3213, 74.7590, 58.7233



71.9860, 89.0729, 64.3200



60.4420, 73.6515, 64.9028



15.2367, 17.0520, 16.0070



17.7166, 33.6777, 5.5667



1.4789, 2.6897, 0.4412



# Inverse Universe

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



62.9618, 57.4387, 85.6141



72.9065, 64.0718, 103.1322



65.2729, 58.8029, 77.9137



15.3091, 15.1046, 19.0309



18.1496, 8.3924, 44.4063

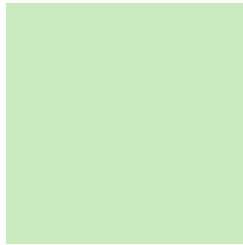


1.5143, 0.7049, 3.4911



# Previews

## White Background



This preview shows how the XYZ color 62.3193, 74.7558, 58.7217 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

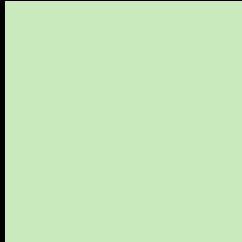
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.3193, 74.7558, 58.7217 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

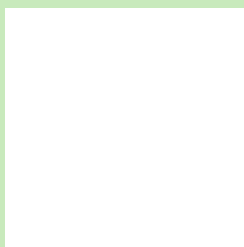
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.3193, 74.7558, 58.7217**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.3193, 74.7558, 58.7217.



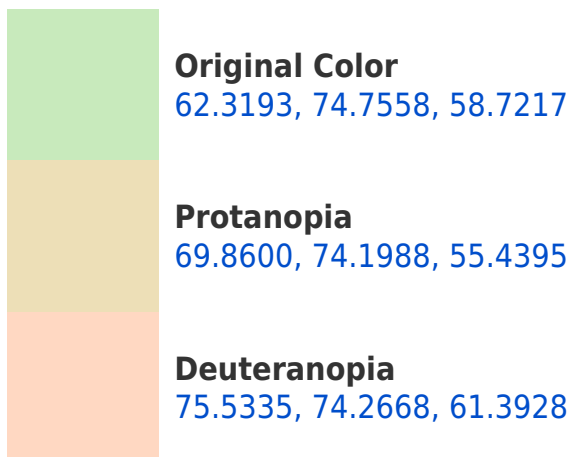
This preview shows how white text looks on a background with the XYZ color 62.3193, 74.7558,



# 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





## **Tritanopia**

69.8200, 74.4797, 96.2841

# Trichromacy



## Original Color

62.3193, 74.7558, 58.7217

## Protanomaly

66.9665, 74.2882, 56.7085

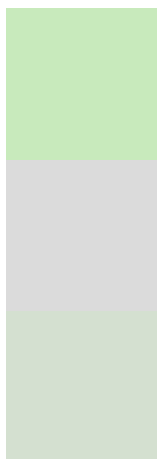
## Deuteranomaly

70.1631, 74.2433, 60.5016

## Tritanomaly

66.9275, 74.5423, 81.3816

# Monochromacy



## Original Color

62.3193, 74.7558, 58.7217

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

65.1922, 71.8624, 70.1093

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.3193, 74.7558, 58.7217 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, 234, 188)` looks like.

```
.text, #text, p{  
    color:rgb(200, 234, 188)  
}
```

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, 234, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 234, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 62.3193, 74.7558, 58.7217 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, 234, 188) }
```



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

```
.border{ border-color:rgb(200, 234, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 234, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 234, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 234, 188);  
box-shadow:4px 4px 4px 4px rgb(200, 234,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.3193, 74.7558, 58.7217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 234, 188) }
```

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

```
.background{ background-color: rgb(200,  
234, 188) }
```

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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