

# Converting Colors

XYZ(63.8326, 73.5852, 59.1430)

Have a look what the booklet for  
XYZ(63.8326, 73.5852, 59.1430)  
contains.

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# Color

**XYZ(63.7830, 73.4144,  
58.9528)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | D2E5BD                     |
| RGB           | 210, 229, 189              |
| RGB Percent   | 82%, 90%, 74%              |
| CMY           | 0.1765, 0.1019, 0.2588     |
| CMYK          | 0.08, 0.00, 0.17, 0.10     |
| HSL           | 89°, 43%, 82%              |
| HSV           | 89°, 17%, 90%              |
| XYZ           | 63.7830, 73.4144, 58.9528  |
| YIQ           | 218.7590, 1.5160, -16.4680 |

# Conversions

## Conversions Part 2

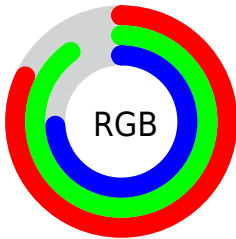
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">189, 229, 208</a>                                |
| Decimal                             | <a href="#">13821373</a>                                     |
| CIELab                              | <a href="#">88.64, -13.31, 17.41</a>                         |
| CIElCh                              | <a href="#">89, 21.916, 127.386</a>                          |
| Yxy                                 | <a href="#">73.4144, 0.3252, 0.3743</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4292011453</a><br>( <a href="#">0xFFD2E5BD</a> ) |
| YUV                                 | <a href="#">218.7590, -14.6712, -7.6816</a>                  |
| Hunter-Lab                          | <a href="#">85.6822, -17.0660, 19.1836</a>                   |

# Details

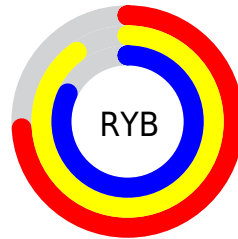
The XYZ color **63.7830, 73.4144, 58.9528** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **58.3558, 55.4643, 81.7627**, and the grayscale version is **67.2644, 70.7673, 77.0656**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **33.0976, 39.0182, 29.0794** is the 20% darker color. If you saturate the color by 10%, you get **58.4986, 70.9573, 46.7381**, and if you desaturate by 10%, it is **69.6745, 76.1435, 73.2478**.

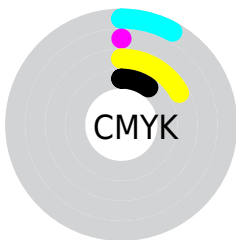
# Distribution



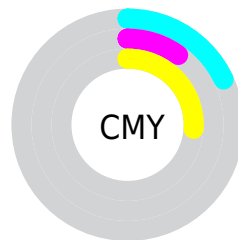
- Red (82%)
- Green (90%)
- Blue (74%)



- Red (74%)
- Yellow (90%)
- Blue (82%)



- Cyan (8%)
- Magenta (0%)
- Yellow (17%)
- Black (10%)



- Cyan (18%)
- Magenta (10%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7830, 73.4144, 58.9528 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 63.7830, 73.4144, 58.9528 by changing the saturation by 10% instead.



63.7830, 73.4144,  
58.9528

63.7830, 73.4144,  
58.9528

428.0202,  
472.4498, 438.4240

46.7360, 54.3149,  
42.1554

109.3738,  
124.0653, 104.8375

33.0340, 38.8535,  
28.8965

138.6484,  
156.3855, 134.7619

22.3119, 26.6457,  
18.7576

172.7294,  
193.8814, 169.8989

14.2041, 17.3073,  
11.3202

211.9824,  
236.9374, 210.6673

8.3454, 10.4539,  
6.1658

256.7726,  
285.9378, 257.4854

4.3704, 5.7009,  
2.8757

307.4654,

1.9138, 2.6641,

341.2671, 310.7719

1.0315

364.4262,  
403.3096, 370.9452

■ 0.5848, 0.9590,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.7830, 73.4144,  
58.9528

■ 63.7830, 73.4144,  
58.9528

■ 58.4986, 70.9573,  
46.7381

■ 69.6745, 76.1435,  
73.2478

■ 53.7928, 68.7530,  
36.5019

■ 76.1885, 79.1440,  
89.7089

■ 49.6435, 66.7948,  
28.1412

■ 82.9084, 82.2521,  
106.1142

■ 46.0247, 65.0715,  
21.5415

■ 86.7677, 84.2416,  
106.2948

■ 42.9076, 63.5713,  
16.5761

■ 87.3108, 84.5216,  
106.3203

■ 40.2604, 62.2807,  
13.1011

■ 38.0459, 61.1845,  
10.9475

■ 36.2162, 60.2628,  
9.8896

■ 35.7960, 60.0499,  
9.7041

# Harmonies

## Analogous

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



68.4789, 73.4144, 54.3885



63.7830, 73.4144, 58.9528



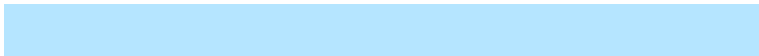
60.8040, 73.4144, 69.2499

# Triad

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



63.7830, 73.4144, 58.9528



65.9398, 73.4144, 109.9529



80.3586, 73.4144, 76.2496

# Complementary

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



63.7830, 73.4144, 58.9528



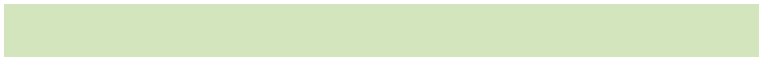
58.3558, 55.4643, 81.7627

# 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.



79.5946, 73.4144, 91.6681



63.7830, 73.4144, 58.9528



71.0938, 73.4144, 112.4426

# Square

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



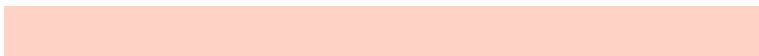
63.7830, 73.4144, 58.9528



62.0046, 73.4144, 98.9587



76.1377, 73.4144, 105.3865

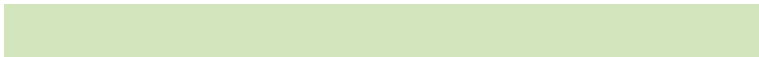


78.1758, 73.4144, 63.5218



# Rectangle

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



63.7830, 73.4144, 58.9528



60.1029, 73.4144, 78.6144



76.1377, 73.4144, 105.3865



80.4397, 73.4144, 81.2719

# Sweetspot

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



63.7850, 73.4176, 58.9544



90.8712, 98.0751, 98.3424



63.9759, 65.2842, 57.3744



19.3280, 20.9357, 20.7439



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

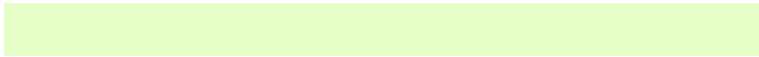


# Same Dimension

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



63.7850, 73.4176, 58.9544



78.8478, 92.5086, 69.2365



58.5254, 70.7062, 58.7082



14.9078, 16.4595, 15.2957



20.6055, 34.4040, 5.5546



1.6298, 2.5976, 0.4155



# Inverse Universe

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



58.3558, 55.4643, 81.7627



70.6855, 65.5164, 103.5281



64.2325, 58.4938, 82.0377



14.2309, 14.2212, 18.1393



11.8143, 5.1564, 42.7558

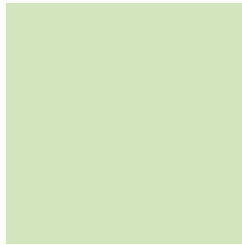


0.9797, 0.4360, 3.1645



# Previews

## White Background



This preview shows how the XYZ color 63.7830, 73.4144, 58.9528 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

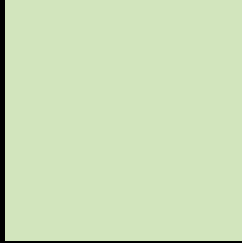
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.7830, 73.4144, 58.9528 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

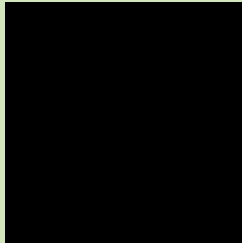
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

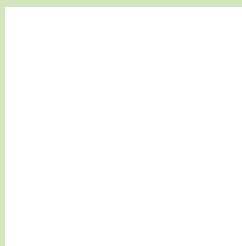
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 63.7830, 73.4144, 58.9528**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.7830, 73.4144, 58.9528.



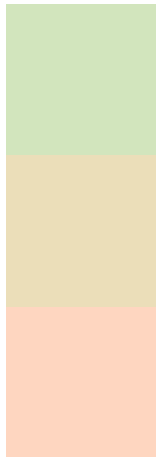
This preview shows how white text looks on a background with the XYZ color 63.7830, 73.4144,



# 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

63.7830, 73.4144, 58.9528

### Protanopia

69.1392, 73.4075, 56.4240

### Deuteranopia

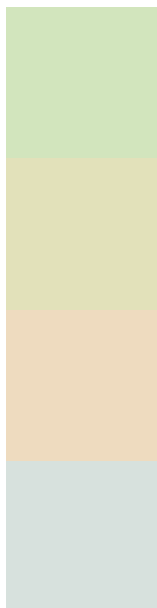
74.4340, 72.9697, 60.0306



## Tritanopia

70.7629, 73.4392, 92.8837

# Trichromacy



## Original Color

63.7830, 73.4144, 58.9528

## Protanomaly

67.1522, 73.5643, 57.1144

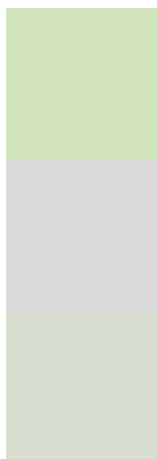
## Deuteranomaly

69.9954, 72.6018, 59.6146

## Tritanomaly

68.0007, 73.5180, 79.0130

# Monochromacy



## Original Color

63.7830, 73.4144, 58.9528

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

66.0917, 71.9283, 70.0747

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.7830, 73.4144, 58.9528 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(210, 229, 189)` looks like.

```
.text, #text, p{  
    color:rgb(210, 229, 189)  
}
```

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(210, 229, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 229, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 63.7830, 73.4144, 58.9528 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(210, 229, 189) }
```



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

```
.border{ border-color:rgb(210, 229, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 229, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 229, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 229, 189);  
box-shadow:4px 4px 4px 4px rgb(210, 229,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.7830, 73.4144, 58.9528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 229, 189) }
```

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

```
.background{ background-color: rgb(210,  
229, 189) }
```

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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