

# Converting Colors

XYZ(63.8709, 71.4863, 63.5403)

Have a look what the booklet for  
XYZ(63.8709, 71.4863, 63.5403)  
contains.

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# Color

**XYZ(63.5977, 71.1914,  
63.2127)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3E0C5
RGB	211, 224, 197
RGB Percent	83%, 88%, 77%
CMY	0.1725, 0.1215, 0.2274
CMYK	0.06, 0.00, 0.12, 0.12
HSL	89°, 30%, 83%
HSV	89°, 12%, 88%
XYZ	63.5977, 71.1914, 63.2127
YIQ	217.0350, 0.9190, -11.1530

# Conversions

## Conversions Part 2

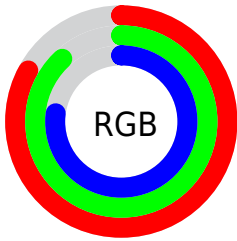
Format	Color
<a href="#">RYB</a>	<a href="#">197, 224, 210</a>
Decimal	<a href="#">13885637</a>
CIELab	<a href="#">87.58, -9.13, 11.74</a>
CIELCh	<a href="#">88, 14.872, 127.880</a>
Yxy	<a href="#">71.1914, 0.3212, 0.3595</a>
Android (android.graphics.Color)	<a href="#">4292075717 (0xFFD3E0C5)</a>
YUV	<a href="#">217.0350, -9.8773, -5.2927</a>
Hunter-Lab	<a href="#">84.3750, -13.1118, 14.6432</a>

# Details

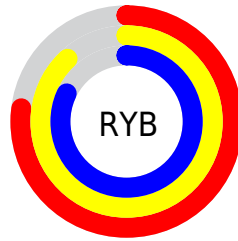
The XYZ color **63.5977, 71.1914, 63.2127** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **60.0019, 59.0179, 78.7539**, and the grayscale version is **66.0441, 69.4836, 75.6676**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **32.8562, 37.4270, 31.4790** is the 20% darker color. If you saturate the color by 10%, you get **58.2324, 68.7024, 50.5441**, and if you desaturate by 10%, it is **69.5558, 73.9460, 77.9029**.

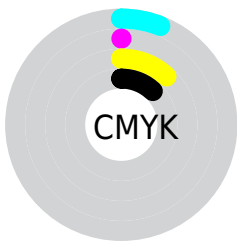
# Distribution



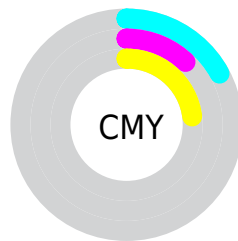
- Red (83%)
- Green (88%)
- Blue (77%)



- Red (77%)
- Yellow (88%)
- Blue (82%)



- Cyan (6%)
- Magenta (0%)
- Yellow (12%)
- Black (12%)



- Cyan (17%)
- Magenta (12%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5977, 71.1914, 63.2127 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 63.5977, 71.1914, 63.2127 by changing the saturation by 10% instead.



63.5977, 71.1914,  
63.2127

63.5977, 71.1914,  
63.2127

427.3607,  
464.7222, 454.4702

46.5854, 52.4984,  
45.5712

109.1083,  
120.9062, 111.0649

32.9146, 37.4025,  
31.5614

138.3374,  
152.6968, 142.1126

22.2199, 25.5193,  
20.7646

172.3693,  
189.6221, 178.4661

14.1361, 16.4644,  
12.7625

211.5696,  
232.0664, 220.5441

8.2977, 9.8533,  
7.1364

256.3035,  
280.4142, 268.7649

4.3394, 5.3018,  
3.4678

306.9364,

1.8959, 2.4254,

335.0499, 323.5472

1.3382

363.8337,  
396.3577, 385.3094

■ 0.5745, 0.8389,  
0.0928

■ 0.0000, 0.0000,  
0.0000

■ 63.5977, 71.1914,  
63.2127

■ 63.5977, 71.1914,  
63.2127

■ 58.2324, 68.7024,  
50.5441

■ 69.5558, 73.9460,  
77.9029

■ 53.4333, 66.4611,  
39.8041

■ 76.1205, 76.9654,  
94.6931

■ 49.1800, 64.4612,  
30.8991

■ 81.7947, 79.6535,  
105.6714

■ 45.4489, 62.6927,  
23.7259

■ 85.6353, 81.6334,  
105.8511

■ 42.2139, 61.1446,  
18.1713

■ 85.9471, 81.7941,  
105.8657

■ 39.4465, 59.8049,  
14.1085

■ 37.1141, 58.6603,  
11.3916

■ 35.1787, 57.6947,  
9.8457

■ 33.8770, 57.0361,  
9.2236

# Harmonies

## Analogous

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



66.7424, 71.1914, 59.8713



63.5977, 71.1914, 63.2127



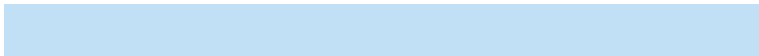
61.5923, 71.1914, 70.4495

# Triad

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



63.5977, 71.1914, 63.2127



65.1509, 71.1914, 96.8754



74.5868, 71.1914, 74.8904

# Complementary

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



63.5977, 71.1914, 63.2127



60.0019, 59.0179, 78.7539

# 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.



74.1249, 71.1914, 85.0385



63.5977, 71.1914, 63.2127



68.5966, 71.1914, 98.3241

# Square

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



63.5977, 71.1914, 63.2127



62.4672, 71.1914, 90.0245



71.9027, 71.1914, 93.8274



73.1440, 71.1914, 66.2222



# Rectangle

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



63.5977, 71.1914, 63.2127



61.1304, 71.1914, 76.8012



71.9027, 71.1914, 93.8274



74.6501, 71.1914, 78.2339

# Sweetspot

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



63.5996, 71.1945, 63.2142



91.6668, 98.4406, 100.3958



63.7691, 65.7770, 62.1596



19.4874, 21.0090, 21.1574



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.



63.5996, 71.1945, 63.2142



83.7812, 94.7942, 81.1065



59.9982, 69.3379, 63.0457



14.2032, 15.6849, 14.5857



19.8515, 33.2663, 5.3748



1.4793, 2.3591, 0.3774



# Inverse Universe

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



60.0019, 59.0179, 78.7539



78.2155, 75.9569, 105.1465



63.8857, 61.0201, 78.9356



13.5770, 13.5655, 17.2905



11.5535, 5.0514, 41.4144

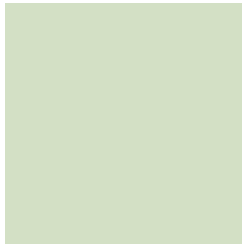


0.9038, 0.4032, 2.8754



# Previews

## White Background



This preview shows how the XYZ color 63.5977, 71.1914, 63.2127 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

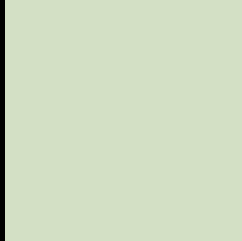
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.5977, 71.1914, 63.2127 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

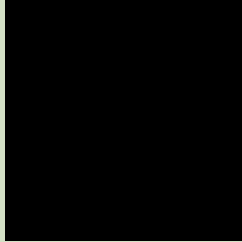
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

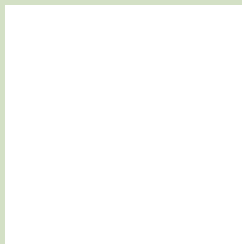
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.5977, 71.1914, 63.2127

## Background



This preview shows how black text looks on a background with the XYZ color 63.5977, 71.1914, 63.2127.



This preview shows how white text looks on a background with the XYZ color 63.5977, 71.1914,



# 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

63.5977, 71.1914, 63.2127

### Protanopia

67.3822, 71.2161, 61.2336

### Deuteranopia

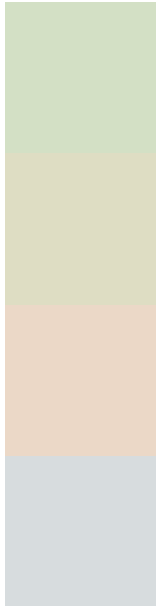
72.4310, 70.7151, 64.4754



## Tritanopia

68.8270, 70.9506, 89.4242

# Trichromacy



## Original Color

63.5977, 71.1914, 63.2127

## Protanomaly

65.8310, 71.1826, 61.8997

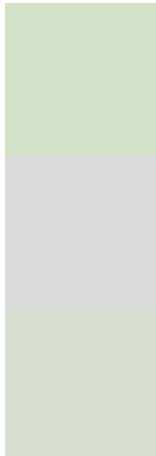
## Deuteranomaly

69.1256, 70.8974, 64.0741

## Tritanomaly

66.8023, 70.9074, 79.2729

# Monochromacy



## Original Color

63.5977, 71.1914, 63.2127

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

65.2504, 70.2866, 71.1004

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.5977, 71.1914, 63.2127 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(211, 224, 197) looks like.

```
.text, #text, p{  
    color:rgb(211, 224, 197)  
}
```

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(211, 224, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 224, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 63.5977, 71.1914, 63.2127 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(211, 224, 197) }
```



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

```
.border{ border-color:rgb(211, 224, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 224, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 224, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 224, 197);  
box-shadow:4px 4px 4px 4px rgb(211, 224,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.5977, 71.1914, 63.2127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 224, 197) }
```

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

```
.background{ background-color: rgb(211,  
224, 197) }
```

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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