

# Converting Colors

XYZ(60.9578, 72.5657, 57.2918)

Have a look what the booklet for  
XYZ(60.9578, 72.5657, 57.2918)  
contains.

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# Color

**XYZ(60.7129, 72.2809,  
57.2061)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7E6BA
RGB	199, 230, 186
RGB Percent	78%, 90%, 73%
CMY	0.2196, 0.0980, 0.2706
CMYK	0.13, 0.00, 0.19, 0.10
HSL	102°, 47%, 82%
HSV	102°, 19%, 90%
XYZ	60.7129, 72.2809, 57.2061
YIQ	215.7150, -4.3520, -20.2560

# Conversions

## Conversions Part 2

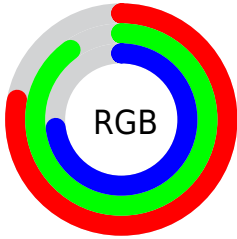
Format	Color
<a href="#">RYB</a>	<a href="#">186, 230, 217</a>
Decimal	<a href="#">13100730</a>
CIELab	<a href="#">88.10, -18.11, 18.11</a>
CIELCh	<a href="#">88, 25.610, 135.010</a>
Yxy	<a href="#">72.2809, 0.3192, 0.3800</a>
Android (android.graphics.Color)	<a href="#">4291290810</a> ( <a href="#">0xFFC7E6BA</a> )
YUV	<a href="#">215.7150, -14.6495, -14.6591</a>
Hunter-Lab	<a href="#">85.0182, -21.3120, 19.6183</a>

# Details

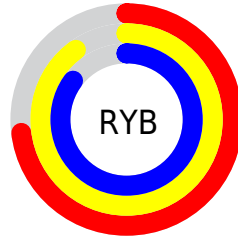
The XYZ color **60.7129, 72.2809, 57.2061** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.4601, 55.5848, 82.4091**, and the grayscale version is **65.1766, 68.5708, 74.6736**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **31.0467, 37.9853, 27.8859** is the 20% darker color. If you saturate the color by 10%, you get **54.3889, 69.2831, 45.1574**, and if you desaturate by 10%, it is **67.8923, 75.6785, 71.3523**.

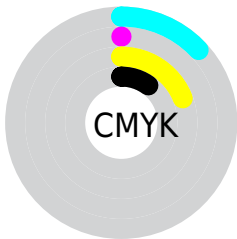
# Distribution



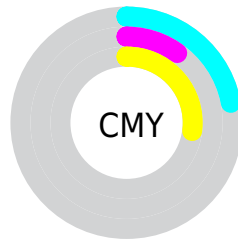
- Red (78%)
- Green (90%)
- Blue (73%)



- Red (73%)
- Yellow (90%)
- Blue (85%)



- Cyan (13%)
- Magenta (0%)
- Yellow (19%)
- Black (10%)




- Cyan (22%)
- Magenta (10%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.7129, 72.2809, 57.2061 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 60.7129, 72.2809, 57.2061 by changing the saturation by 10% instead.





 60.7129, 72.2809,  
57.2061

 60.7129, 72.2809,  
57.2061


417.0133,  
468.5187, 431.7365

 44.2452, 53.3882,  
40.7603


 104.9636,  
122.4558, 102.2692

 31.0620, 38.1127,  
27.8135


133.4773,  
154.5068, 131.7235

 20.7981, 26.0702,  
17.9473


166.7370,  
191.7126, 166.3511

 13.0882, 16.8762,  
10.7431

205.1081,  
234.4577, 206.5704

 7.5667, 10.1462,  
5.7824

248.9559,  
283.1265, 252.8001

 3.8684, 5.4960,  
2.6466

298.6458,

 1.6280, 2.5411,

338.1033, 305.4586

0.9164

354.5431,  
399.7726, 364.9646

■ 0.4105, 0.8972,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.7129, 72.2809,  
57.2061

■ 60.7129, 72.2809,  
57.2061

■ 54.3889, 69.2831,  
45.1574

■ 67.8923, 75.6785,  
71.3523

■ 48.8816, 66.6608,  
35.1018

■ 75.9526, 79.4806,  
87.6843

■ 44.1574, 64.4013,  
26.9331

■ 84.9246, 83.7034,  
106.2881

■ 40.1784, 62.4876,  
20.5333

■ 87.5883, 85.0765,  
106.4128

■ 36.9029, 60.9010,  
15.7712

■ 34.2846, 59.6210,  
12.4972

■ 32.2710, 58.6243,  
10.5344

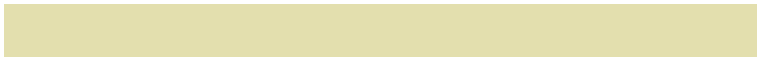
■ 30.7886, 57.8791,  
9.6064

■ 30.6784, 57.8235,  
9.5441

# Harmonies

## Analogous

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



65.6992, 72.2809, 50.4408



60.7129, 72.2809, 57.2061



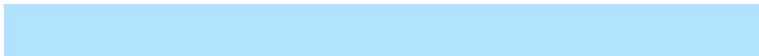
57.9530, 72.2809, 70.3056

# Triad

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



60.7129, 72.2809, 57.2061



65.7030, 72.2809, 115.9352



80.7004, 72.2809, 70.2951

# Complementary

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



60.7129, 72.2809, 57.2061



60.4601, 55.5848, 82.4091

# 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.



80.7016, 72.2809, 87.7408



60.7129, 72.2809, 57.2061



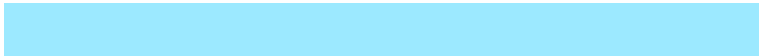
71.7926, 72.2809, 115.9313

# Square

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



60.7129, 72.2809, 57.2061



60.7156, 72.2809, 105.0123



77.3604, 72.2809, 105.0023



77.3572, 72.2809, 57.1994



# Rectangle

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



60.7129, 72.2809, 57.2061



57.6363, 72.2809, 81.6804



77.3604, 72.2809, 105.0023



81.0979, 72.2809, 75.7961

# Sweetspot

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



60.7148, 72.2840, 57.2077



88.8282, 97.0659, 96.2585



66.2604, 69.8940, 56.4541



18.8732, 20.7102, 20.3220



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

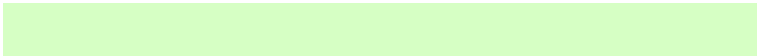


# Same Dimension

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



60.7148, 72.2840, 57.2077



73.4007, 89.7689, 65.8922



58.3765, 70.9671, 62.1341



14.5875, 16.2944, 15.2807



17.4741, 32.7897, 5.4081



1.3819, 2.4698, 0.4039



# Inverse Universe

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



60.4601, 55.5848, 82.4091



73.0196, 64.9788, 103.3013



63.2725, 57.1739, 76.2504



14.5588, 14.3903, 18.1546



16.6564, 7.6526, 42.9824

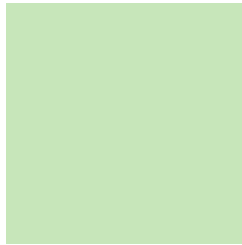


1.3228, 0.6129, 3.1805



# Previews

## White Background



This preview shows how the XYZ color 60.7129, 72.2809, 57.2061 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

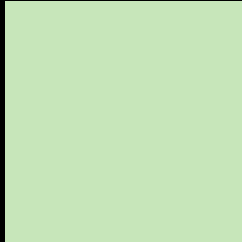
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.7129, 72.2809, 57.2061 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

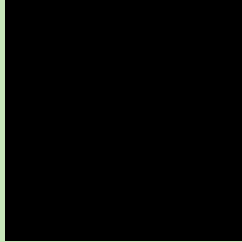
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 60.7129, 72.2809, 57.2061

## Background



This preview shows how black text looks on a background with the XYZ color 60.7129, 72.2809, 57.2061.



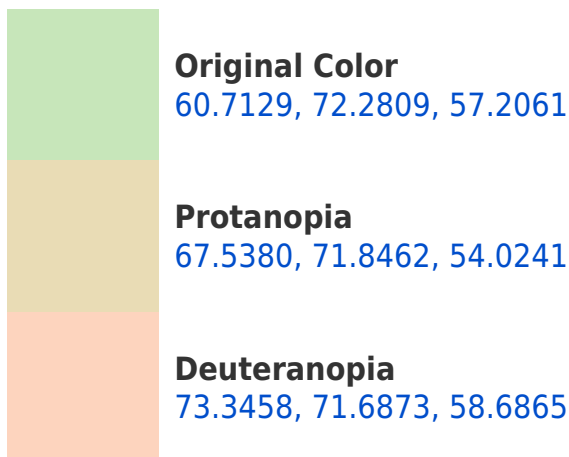
This preview shows how white text looks on a background with the XYZ color 60.7129, 72.2809, 57.2061.



# 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

68.1283, 72.4765, 92.8367

# Trichromacy



## Original Color

60.7129, 72.2809, 57.2061

## Protanomaly

65.0217, 72.1024, 55.2899

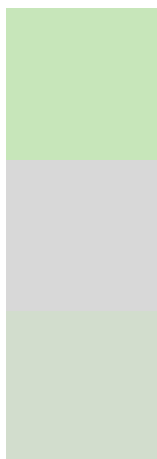
## Deuteranomaly

68.1211, 71.6608, 58.3857

## Tritanomaly

65.2915, 72.5392, 78.2704

# Monochromacy



## Original Color

60.7129, 72.2809, 57.2061

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

63.4542, 69.8223, 67.8903

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.7129, 72.2809, 57.2061 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(199, 230, 186)` looks like.

```
.text, #text, p{  
    color:rgb(199, 230, 186)  
}
```

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(199, 230, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 230, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 60.7129, 72.2809, 57.2061 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(199, 230, 186) }
```



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

```
.border{ border-color:rgb(199, 230, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 230, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 230, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 230, 186);  
box-shadow:4px 4px 4px 4px rgb(199, 230,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.7129, 72.2809, 57.2061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 230, 186) }
```

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

```
.background{ background-color: rgb(199,  
230, 186) }
```

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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