

# Converting Colors

XYZ(67.6770, 78.5945, 61.3332)

Have a look what the booklet for  
XYZ(67.6770, 78.5945, 61.3332)  
contains.

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# **Color**

**XYZ(67.8229, 78.8212,  
61.5085)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D7EDC0
RGB	215, 237, 192
RGB Percent	84%, 93%, 75%
CMY	0.1569, 0.0706, 0.2471
CMYK	0.09, 0.00, 0.19, 0.07
HSL	89°, 56%, 84%
HSV	89°, 19%, 93%
XYZ	67.8229, 78.8212, 61.5085
YIQ	225.2920, 1.3330, -18.6590

# Conversions

## Conversions Part 2

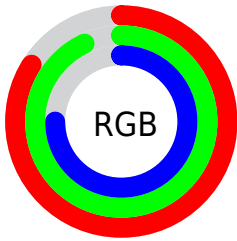
Format	Color
<a href="#">RYB</a>	<a href="#">192, 237, 214</a>
Decimal	<a href="#">14151104</a>
CIELab	<a href="#">91.15, -15.06, 19.42</a>
CIELCh	<a href="#">91, 24.575, 127.808</a>
Yxy	<a href="#">78.8212, 0.3258, 0.3787</a>
Android (android.graphics.Color)	<a href="#">4292341184</a> ( <a href="#">0xFFD7EDC0</a> )
YUV	<a href="#">225.2920, -16.4130, -9.0261</a>
Hunter-Lab	<a href="#">88.7813, -19.0054, 21.0703</a>

# Details

The XYZ color **67.8229, 78.8212, 61.5085** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.8704, 58.1120, 88.0808**, and the grayscale version is **71.8936, 75.6377, 82.3694**.

A 20% lighter version of the original color is **94.0989, 99.6196, 103.8915**, and **35.6085, 42.3563, 30.3436** is the 20% darker color. If you saturate the color by 10%, you get **62.1228, 76.1644, 48.6202**, and if you desaturate by 10%, it is **74.1912, 81.7783, 76.6387**.

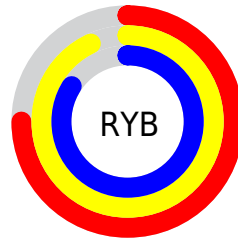
# Distribution



Red (84%)

Green (93%)

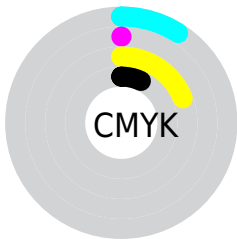
Blue (75%)



Red (75%)

Yellow (93%)

Blue (84%)

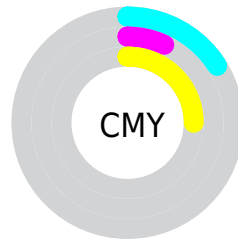


Cyan (9%)

Magenta (0%)

Yellow (19%)

Black (7%)



Cyan (16%)

Magenta (7%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8229, 78.8212, 61.5085 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 67.8229, 78.8212, 61.5085 by changing the saturation by 10% instead.





 67.8229, 78.8212,  
61.5085

 67.8229, 78.8212,  
61.5085


442.2549,  
490.9513, 448.0941

 50.0268, 58.7488,  
44.2025


 115.1421,  
131.7071, 108.5796

 35.6526, 42.4109,  
30.4913


145.3958,  
165.2894, 139.1816

 24.3349, 29.4232,  
19.9566


180.5329,  
204.1439, 175.0528

 15.7083, 19.4012,  
12.1797

220.9186,  
248.6548, 216.6116

 9.4075, 11.9605,  
6.7422

266.9183,  
299.2066, 264.2766

 5.0672, 6.7168,  
3.2254


318.8973,


 2.3219, 3.2856,


356.1837, 318.4663


1.2108


377.2211,  
419.9704, 379.5993


 0.8058, 1.2826,  
0.0000


 0.0000, 0.1277,  
0.0000


 67.8229, 78.8212,  
61.5085


 67.8229, 78.8212,  
61.5085


 62.1228, 76.1644,  
48.6202


 74.1912, 81.7783,  
76.6387


 57.0595, 73.7871,  
37.8619

 81.2450, 85.0354,  
94.1053

 52.6081, 71.6812,  
29.1202

 87.6764, 88.0724,  
106.9864

 48.7393, 69.8344,  
22.2687

 89.5758, 89.0516,  
107.0753

■ 45.4210, 68.2332,  
17.1668

■ 42.6172, 66.8626,  
13.6545

■ 40.2859, 65.7052,  
11.5421

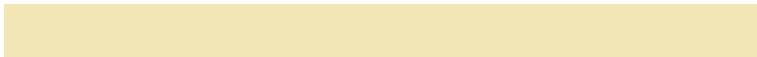
■ 38.3665, 64.7358,  
10.5420

■ 38.1878, 64.6452,  
10.4651

# Harmonies

## Analogous

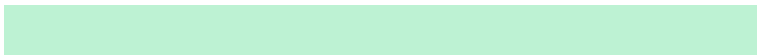
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.3043, 78.8212, 56.1673



67.8229, 78.8212, 61.5085



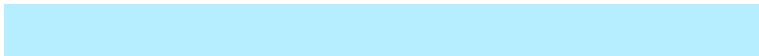
64.3811, 78.8212, 73.5261

# Triad

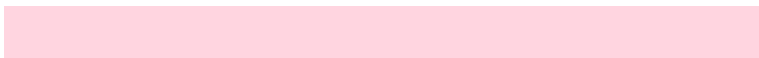
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.8229, 78.8212, 61.5085



70.4905, 78.8212, 121.6003



87.4003, 78.8212, 81.2536

# Complementary

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



67.8229, 78.8212, 61.5085



61.8704, 58.1120, 88.0808

# Split Complementary

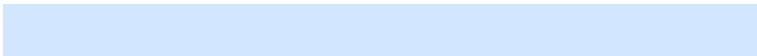
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5443, 78.8212, 99.4196



67.8229, 78.8212, 61.5085



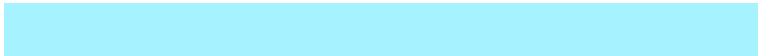
76.5536, 78.8212, 124.4216

# Square

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



67.8229, 78.8212, 61.5085



65.8608, 78.8212, 108.5763



82.4897, 78.8212, 115.8246



84.7680, 78.8212, 66.4935



# Rectangle

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



67.8229, 78.8212, 61.5085



63.5915, 78.8212, 84.5197



82.4897, 78.8212, 115.8246



87.5136, 78.8212, 87.1394

# Sweetspot

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



67.8250, 78.8246, 61.5102



89.9847, 97.6621, 96.3126



68.4258, 69.7799, 59.7327



19.1463, 20.8509, 20.3348



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

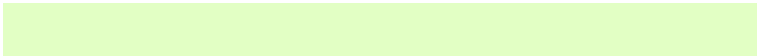


# Same Dimension

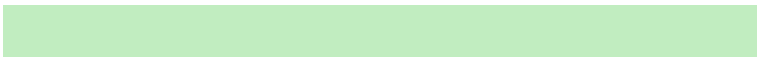
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8250, 78.8246, 61.5102



77.2291, 91.7425, 66.0713



61.7296, 75.6823, 61.2249



15.6023, 17.2405, 16.0241



21.0003, 35.3705, 5.7204



1.7601, 2.8347, 0.4544



# Inverse Universe

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



61.8704, 58.1120, 88.0808



68.9288, 62.8699, 103.1099



68.8139, 61.6915, 88.4058



14.9324, 14.9104, 19.0132



12.4200, 5.4387, 44.1381

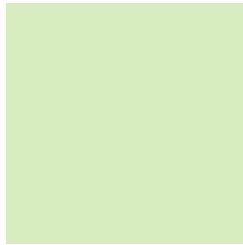


1.0860, 0.4842, 3.4711



# Previews

## White Background



This preview shows how the XYZ color 67.8229, 78.8212, 61.5085 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 67.8229, 78.8212, 61.5085 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

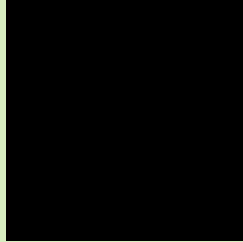
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

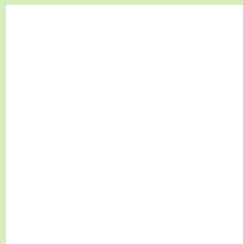
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 67.8229, 78.8212, 61.5085

## Background



This preview shows how black text looks on a background with the XYZ color 67.8229, 78.8212, 61.5085.



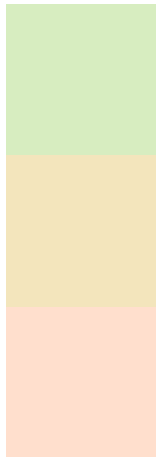
This preview shows how white text looks on a background with the XYZ color 67.8229, 78.8212, 61.5085.



# 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

67.8229, 78.8212, 61.5085

### Protanopia

74.0586, 78.7241, 58.8689

### Deuteranopia

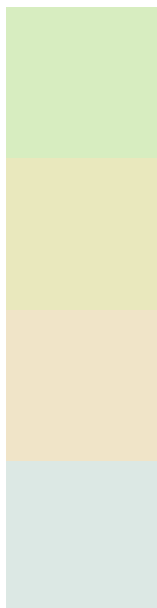
78.6471, 78.4431, 68.7535



## Tritanopia

75.3940, 78.5039, 99.9860

# Trichromacy



## Original Color

67.8229, 78.8212, 61.5085

## Protanomaly

71.6462, 78.7110, 59.5607

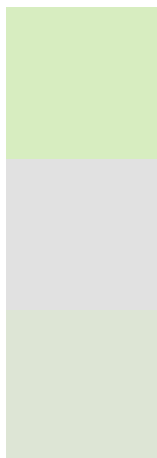
## Deuteranomaly

74.1039, 78.1822, 65.8286

## Tritanomaly

72.3754, 78.5303, 84.7421

# Monochromacy



## Original Color

67.8229, 78.8212, 61.5085

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

69.8483, 76.2149, 73.9803

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.8229, 78.8212, 61.5085 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(215, 237, 192)` looks like.

```
.text, #text, p{  
    color:rgb(215, 237, 192)  
}
```

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(215, 237, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 237, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 67.8229, 78.8212, 61.5085 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(215, 237, 192) }
```



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

```
.border{ border-color:rgb(215, 237, 192) }
```

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

Here you see how a box with a 4 pixel rgb(215, 237, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 237, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 237, 192);  
box-shadow:4px 4px 4px 4px rgb(215, 237,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.8229, 78.8212, 61.5085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 237, 192) }
```

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

```
.background{ background-color: rgb(215,  
237, 192) }
```

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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