

# Converting Colors

XYZ(63.3041, 67.7317, 84.1601)

Have a look what the booklet for  
XYZ(63.3041, 67.7317, 84.1601)  
contains.

<b>XYZ(63.3128, 67.8394, 83.8861)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(63.3128, 67.8394,  
83.8861)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CAD9E5
RGB	202, 217, 229
RGB Percent	79%, 85%, 90%
CMY	0.2078, 0.1490, 0.1020
CMYK	0.12, 0.05, 0.00, 0.10
HSL	207°, 34%, 85%
HSV	207°, 12%, 90%
XYZ	63.3128, 67.8394, 83.8861
YIQ	213.8830, -12.7920, 0.5520

# Conversions

## Conversions Part 2

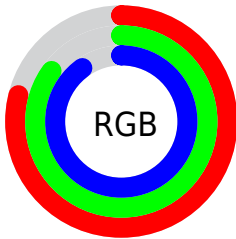
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 212, 229
Decimal	13294053
CIE Lab	85.93, -2.67, -7.61
CIE LCh	86, 8.065, 250.701
Yxy	67.8394, 0.2944, 0.3155
Android (android.graphics.Color)	4291484133 (0xFFCAD9E5)
YUV	213.8830, 7.4527, -10.4214
Hunter-Lab	82.3647, -6.9272, -2.7299

# Details

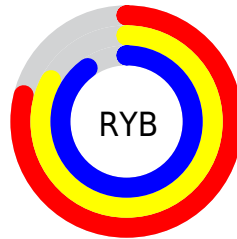
The XYZ color **63.3128, 67.8394, 83.8861** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.0206, 69.0150, 65.6671**, and the grayscale version is **63.7971, 67.1195, 73.0931**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.7731, 35.1926, 45.1099** is the 20% darker color. If you saturate the color by 10%, you get **55.0286, 59.7962, 82.7713**, and if you desaturate by 10%, it is **72.6822, 76.6857, 85.1009**.

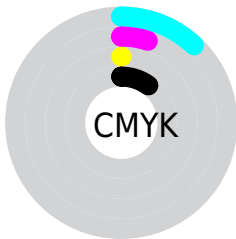
# Distribution



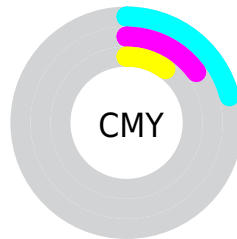
- Red (79%)
- Green (85%)
- Blue (90%)



- Red (79%)
- Yellow (83%)
- Blue (90%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)



- Cyan (21%)
- Magenta (15%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3128, 67.8394, 83.8861 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 63.3128, 67.8394, 83.8861 by changing the saturation by 10% instead.



■ 63.3128, 67.8394,  
83.8861

■ 63.3128, 67.8394,  
83.8861

426.3455,  
452.9268, 527.9831

■ 46.3539, 49.7671,  
62.3766

108.6999,  
116.1224, 140.6761

■ 32.7310, 35.2284,  
44.8993

137.8589,  
147.1018, 176.7937

■ 22.0787, 23.8388,  
31.0357

171.8153,  
183.1524, 218.6177

■ 14.0317, 15.2141,  
20.3674

210.9344,  
224.6586, 266.5667

■ 8.2245, 8.9698,  
12.4756

255.5816,  
272.0047, 321.0592

■ 4.2920, 4.7215,  
6.9420

306.1223,

■ 1.8686, 2.0848,

325.5752, 382.5137

3.3480

362.9218,  
385.7544, 451.3488

■ 0.5585, 0.6561,  
1.2749

■ 0.0000, 0.0000,  
0.0411

■ 63.3128, 67.8394,  
83.8861

■ 63.3128, 67.8394,  
83.8861

■ 55.0286, 59.7962,  
82.7713

■ 72.6822, 76.6857,  
85.1009

■ 47.7803, 52.5211,  
81.7491

■ 83.1715, 86.3518,  
86.4137

■ 41.5237, 45.9885,  
80.8179

■ 88.8062, 93.7635,  
87.5474

■ 36.2086, 40.1681,  
79.9746

■ 91.1431, 98.4372,  
88.3263

■ 31.7802, 35.0271,  
79.2157

■ 28.1774, 30.5289,  
78.5374

■ 25.3305, 26.6328,  
77.9354

■ 23.1562, 23.2905,  
77.4049

■ 21.7648, 20.9006,  
77.0169

# Harmonies

## Analogous

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



61.8244, 67.8394, 80.6982



63.3128, 67.8394, 83.8861



65.1410, 67.8394, 84.3164

# Triad

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



63.3128, 67.8394, 83.8861



68.0320, 67.8394, 71.9931



62.1912, 67.8394, 66.4205

# Complementary

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



63.3128, 67.8394, 83.8861



67.0206, 69.0150, 65.6671

# 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.



63.8221, 67.8394, 64.3161



63.3128, 67.8394, 83.8861



67.2091, 67.8394, 67.4299

# Square

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



63.3128, 67.8394, 83.8861



67.8893, 67.8394, 77.2780



65.6601, 67.8394, 64.6766



61.1854, 67.8394, 70.5551



# Rectangle

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



63.3128, 67.8394, 83.8861



66.3094, 67.8394, 82.9600



65.6601, 67.8394, 64.6766



62.6832, 67.8394, 65.4614

# Sweetspot

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



63.3148, 67.8422, 83.8876



89.9676, 95.2589, 108.2527



64.4769, 73.4360, 74.1951



19.0577, 20.2025, 23.1450



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

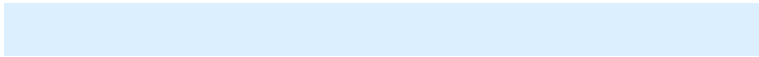


# Same Dimension

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



63.3148, 67.8422, 83.8876



78.2605, 84.1402, 106.7237



60.0465, 61.3056, 82.7982



14.2436, 15.2087, 18.3292



12.5658, 12.1938, 44.0745



1.0209, 1.0857, 3.2877



# Inverse Universe

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



65.9595, 63.9102, 74.5084



82.2502, 78.3198, 92.5501



70.4987, 75.9711, 66.8265



14.7106, 14.5014, 16.6762



20.7362, 10.4287, 12.7715

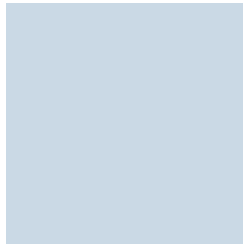


1.5789, 0.7893, 1.1891



# Previews

## White Background



This preview shows how the XYZ color 63.3128, 67.8394, 83.8861 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

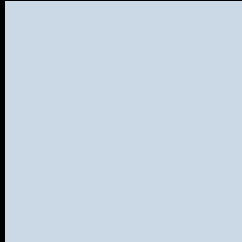
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.3128, 67.8394, 83.8861 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

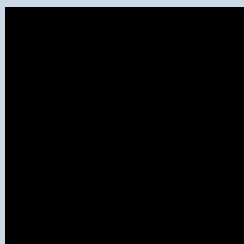
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

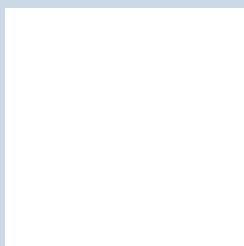
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.3128, 67.8394, 83.8861

## Background



This preview shows how black text looks on a background with the XYZ color 63.3128, 67.8394, 83.8861.



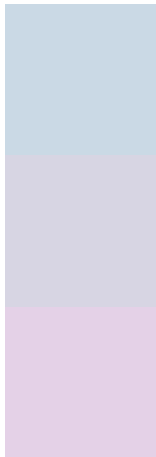
This preview shows how white text looks on a background with the XYZ color 63.3128, 67.8394,



# 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

63.3128, 67.8394, 83.8861

### Protanopia

65.6837, 67.5816, 82.2557

### Deuteranopia

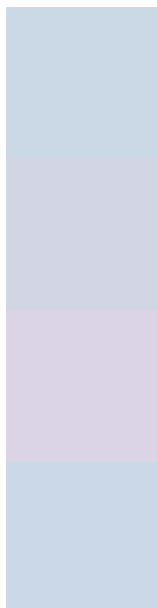
69.2192, 67.8644, 85.0522



## Tritanopia

63.8924, 67.6914, 86.7891

# Trichromacy



## Original Color

63.3128, 67.8394, 83.8861

## Protanomaly

64.6285, 67.3962, 83.0013

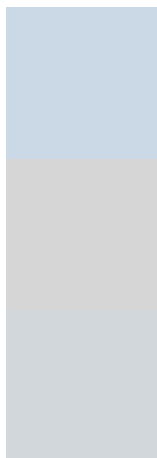
## Deuteranomaly

67.0398, 67.8602, 84.4279

## Tritanomaly

63.7500, 67.6344, 86.0387

# Monochromacy



## Original Color

63.3128, 67.8394, 83.8861

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

63.6650, 67.4170, 76.6751

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.3128, 67.8394, 83.8861 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(202, 217, 229) looks like.

```
.text, #text, p{  
    color:rgb(202, 217, 229)  
}
```

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(202, 217, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 217, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 63.3128, 67.8394, 83.8861 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(202, 217, 229) }
```



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

```
.border{ border-color:rgb(202, 217, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 217, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 217, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 217, 229);  
box-shadow:4px 4px 4px 4px rgb(202, 217,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.3128, 67.8394, 83.8861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 217, 229) }
```

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

```
.background{ background-color: rgb(202,  
217, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor