

# Converting Colors

XYZ(68.1889, 74.0622, 84.9919)

Have a look what the booklet for  
XYZ(68.1889, 74.0622, 84.9919)  
contains.

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# Color

**XYZ(67.9176, 73.7515,  
84.7846)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D2E2E5
RGB	210, 226, 229
RGB Percent	82%, 89%, 90%
CMY	0.1765, 0.1137, 0.1020
CMYK	0.08, 0.01, 0.00, 0.10
HSL	189°, 27%, 86%
HSV	189°, 8%, 90%
XYZ	67.9176, 73.7515, 84.7846
YIQ	221.5580, -10.4990, -2.4590

# Conversions

## Conversions Part 2

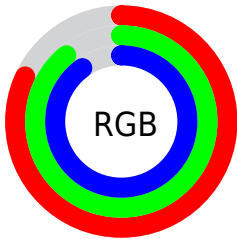
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 219, 229
Decimal	13820645
CIE <sub>Lab</sub>	88.80, -4.73, -3.30
CIE <sub>LCh</sub>	89, 5.772, 214.885
Yxy	73.7515, 0.2999, 0.3257
Android (android.graphics.Color)	4292010725 (0xFFD2E2E5)
YUV	221.5580, 3.6689, -10.1364
Hunter-Lab	85.8787, -9.1201, 1.5804

# Details

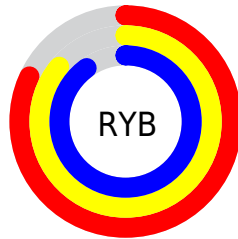
The XYZ color **67.9176, 73.7515, 84.7846** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.7406, 68.8993, 70.7027**, and the grayscale version is **69.1016, 72.7002, 79.1706**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7205, 39.1504, 45.7185** is the 20% darker color. If you saturate the color by 10%, you get **60.8874, 68.6866, 84.1786**, and if you desaturate by 10%, it is **75.9057, 79.3450, 85.4444**.

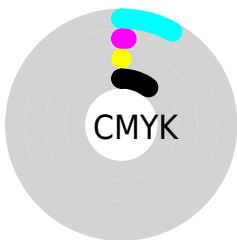
# Distribution



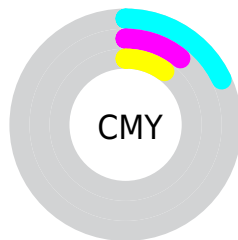
- Red (82%)
- Green (89%)
- Blue (90%)



- Red (82%)
- Yellow (86%)
- Blue (90%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (10%)



- Cyan (18%)
- Magenta (11%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9176, 73.7515, 84.7846 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 67.9176, 73.7515, 84.7846 by changing the saturation by 10% instead.



■ 67.9176, 73.7515,  
84.7846

■ 67.9176, 73.7515,  
84.7846

442.5853,  
473.6153, 531.0410

■ 50.1041, 54.5907,  
63.1143

115.2768,  
124.5435, 141.9437

■ 35.7143, 39.0741,  
45.4921

145.5533,  
156.9434, 178.2695

■ 24.3827, 26.8174,  
31.4994

180.7148,  
194.5252, 220.3176

■ 15.7440, 17.4361,  
20.7178

221.1267,  
237.6732, 268.5066

■ 9.4329, 10.5459,  
12.7287

267.1543,  
286.7718, 323.2548

■ 5.0840, 5.7624,  
7.1134

319.1631,

■ 2.3319, 2.7011,

342.2054, 384.9810

3.4536

377.5183,  
404.3584, 454.1035

■ 0.8109, 0.9778,  
1.3307

■ 0.0000, 0.0000,  
0.0867

■ 67.9176, 73.7515,  
84.7846

■ 67.9176, 73.7515,  
84.7846

■ 60.8874, 68.6866,  
84.1786

■ 75.9057, 79.3450,  
85.4444

■ 54.7691, 64.1203,  
83.6197

■ 84.5868, 85.3246,  
86.1410

■ 49.5226, 60.0337,  
83.1075

■ 85.6211, 87.3932,  
86.4858

■ 45.1020, 56.4031,  
82.6397

■ 86.6765, 89.5040,  
86.8376

■ 41.4574, 53.2025,  
82.2140

■ 87.7530, 91.6571,  
87.1964

■ 38.5330, 50.4030,  
81.8278

■ 88.8509, 93.8528,  
87.5624

■ 36.2658, 47.9718,  
81.4780

■ 89.9702, 96.0914,  
87.9355

■ 34.5812, 45.8703,  
81.1612

■ 91.1110, 98.3730,  
88.3158

■ 33.3723, 44.0433,  
80.8722

■ 91.1431, 98.4372,  
88.3265

# Harmonies

## Analogous

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



67.4555, 73.7515, 80.9598



67.9176, 73.7515, 84.7846



68.9644, 73.7515, 87.4736

# Triad

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



67.9176, 73.7515, 84.7846



72.5596, 73.7515, 83.6133



69.8701, 73.7515, 72.8774

# Complementary

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



67.9176, 73.7515, 84.7846



67.7406, 68.8993, 70.7027

# 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.



71.2452, 73.7515, 73.5351



67.9176, 73.7515, 84.7846



72.8099, 73.7515, 79.6494

# Square

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



67.9176, 73.7515, 84.7846



71.6465, 73.7515, 86.7818



72.3258, 73.7515, 75.9819



68.5731, 73.7515, 74.1547

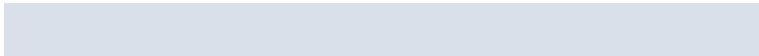


# Rectangle

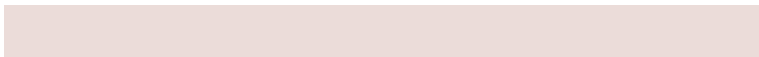
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



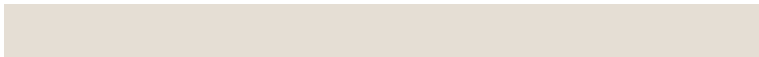
67.9176, 73.7515, 84.7846



69.8593, 73.7515, 88.2134



72.3258, 73.7515, 75.9819



70.3384, 73.7515, 72.8799

# Sweetspot

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



67.9197, 73.7546, 84.7862



92.9424, 98.5334, 108.7280



66.5901, 74.5380, 73.7299



19.9156, 21.1056, 23.2741



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

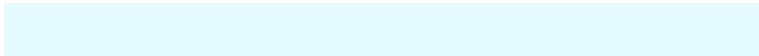


# Same Dimension

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



67.9197, 73.7546, 84.7862



85.0132, 92.9411, 108.0665



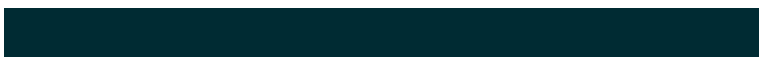
65.4452, 68.8056, 83.9614



14.6037, 15.9288, 18.4492



19.0480, 25.1581, 46.2352



1.4598, 1.9636, 3.4340



# Inverse Universe

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



69.0889, 68.2437, 81.4861



86.8070, 84.5394, 102.9912



70.1615, 73.7411, 71.5096



14.8923, 14.5741, 17.6333



24.0081, 11.7374, 30.0011

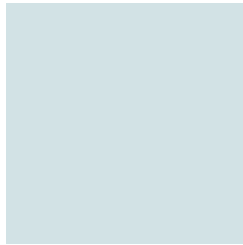


1.8005, 0.8779, 2.3559



# Previews

## White Background



This preview shows how the XYZ color 67.9176, 73.7515, 84.7846 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

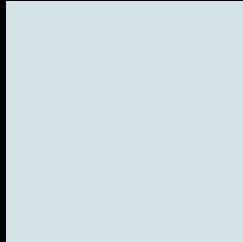
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.9176, 73.7515, 84.7846 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

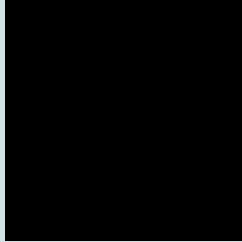
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

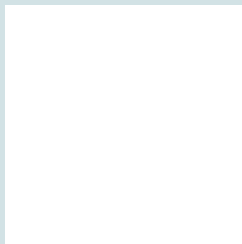
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.9176, 73.7515, 84.7846**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.9176, 73.7515, 84.7846.



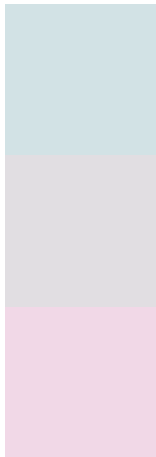
This preview shows how white text looks on a background with the XYZ color 67.9176, 73.7515,



# 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

67.9176, 73.7515, 84.7846

### Protanopia

70.9001, 73.7411, 82.4481

### Deuteranopia

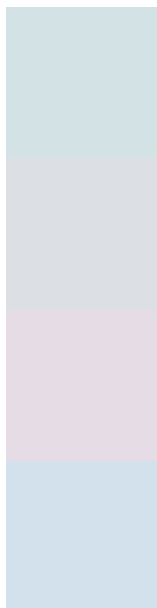
75.2553, 73.5820, 85.8377



## Tritanopia

69.8340, 73.7192, 94.5530

# Trichromacy



## Original Color

67.9176, 73.7515, 84.7846

## Protanomaly

69.7680, 73.5370, 83.1899

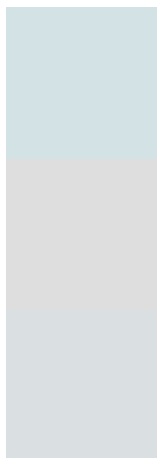
## Deuteranomaly

72.5093, 73.7226, 85.2711

## Tritanomaly

69.0752, 73.8137, 90.7276

# Monochromacy



## Original Color

67.9176, 73.7515, 84.7846

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

68.8917, 73.1170, 81.7162

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.9176, 73.7515, 84.7846 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, 226, 229) looks like.

```
.text, #text, p{  
    color:rgb(210, 226, 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(210, 226, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 226, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 67.9176, 73.7515, 84.7846 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, 226, 229) }
```



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

```
.border{ border-color:rgb(210, 226, 229) }
```

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

Here you see how a box with a 4 pixel rgb(210, 226, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 226, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 226, 229);  
box-shadow:4px 4px 4px 4px rgb(210, 226,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.9176, 73.7515, 84.7846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 226, 229) }
```

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

```
.background{ background-color: rgb(210,  
226, 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](#).

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