

# Converting Colors

XYZ(67.2531, 72.9272, 80.8936)

Have a look what the booklet for  
XYZ(67.2531, 72.9272, 80.8936)  
contains.

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# **Color**

**XYZ(67.5311, 73.2293,  
81.0964)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4E1E0
RGB	212, 225, 224
RGB Percent	83%, 88%, 88%
CMY	0.1686, 0.1176, 0.1216
CMYK	0.06, 0.00, 0.00, 0.12
HSL	175°, 18%, 86%
HSV	175°, 6%, 88%
XYZ	67.5311, 73.2293, 81.0964
YIQ	220.9990, -7.4270, -3.0670

# Conversions

## Conversions Part 2

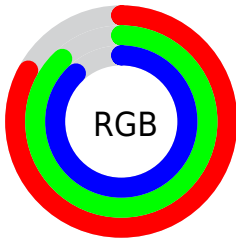
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 219, 225
Decimal	13951456
CIE Lab	88.56, -4.52, -1.02
CIE LCh	89, 4.629, 192.738
Yxy	73.2293, 0.3044, 0.3301
Android (android.graphics.Color)	4292141536 (0xFFD4E1E0)
YUV	220.9990, 1.4795, -7.8921
Hunter-Lab	85.5741, -8.8908, 3.7143

# Details

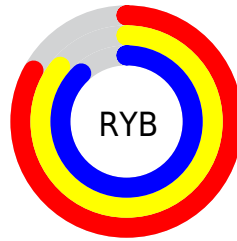
The XYZ color **67.5311, 73.2293, 81.0964** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.6077, 67.9005, 72.5497**, and the grayscale version is **68.7220, 72.3008, 78.7356**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4408, 38.7821, 43.1539** is the 20% darker color. If you saturate the color by 10%, you get **61.2578, 70.0244, 79.5810**, and if you desaturate by 10%, it is **74.7149, 76.9074, 82.6700**.

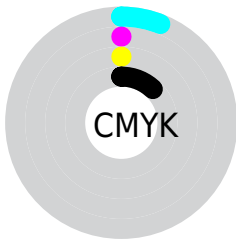
# Distribution



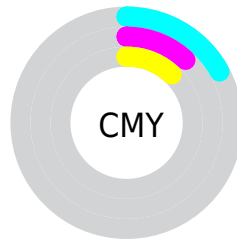
- Red (83%)
- Green (88%)
- Blue (88%)



- Red (83%)
- Yellow (86%)
- Blue (88%)



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5311, 73.2293, 81.0964 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 67.5311, 73.2293, 81.0964 by changing the saturation by 10% instead.



■ 67.5311, 73.2293,  
81.0964

■ 67.5311, 73.2293,  
81.0964

441.2357,  
471.8091, 518.4240

■ 49.7886, 54.1635,  
60.0895

114.7267,  
123.8027, 136.7314

■ 35.4626, 38.7324,  
43.0650

144.9105,  
156.0790, 172.1966

■ 24.1876, 26.5516,  
29.6044

179.9722,  
193.5277, 213.3184

■ 15.5983, 17.2367,  
19.2890

220.2771,  
236.5330, 260.5152

■ 9.3294, 10.4034,  
11.7004

266.1905,  
285.4794, 314.2056

■ 5.0155, 5.6673,  
6.4199

318.0779,

■ 2.2912, 2.6438,

340.7513, 374.8082

3.0292

376.3045,  
402.7331, 442.7415

■ 0.7902, 0.9487,  
1.1096

■ 0.0000, 0.0000,  
0.0000

■ 67.5311, 73.2293,  
81.0964

■ 67.5311, 73.2293,  
81.0964

■ 61.2578, 70.0244,  
79.5810

■ 74.7149, 76.9074,  
82.6700

■ 55.8514, 67.2641,  
78.1172


■ 82.0974, 80.6855,  
84.2639


■ 51.2745, 64.9312,  
76.7048


■ 82.3390, 80.7822,  
85.5363


■ 47.4842, 63.0034,  
75.3415


■ 82.5831, 80.8798,  
86.8215


 44.4336, 61.4568,  
74.0254


 82.8295, 80.9784,  
88.1195

 42.0713, 60.2647,  
72.7537

 83.0785, 81.0780,  
89.4303


 40.3390, 59.3970,  
71.5240

 83.3298, 81.1785,  
90.7540

 39.1686, 58.8188,  
70.3328

 83.5837, 81.2801,  
92.0907

 38.4765, 58.4869,  
69.1762

 83.8400, 81.3826,  
93.4403

# Harmonies

## Analogous

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



67.5740, 73.2293, 77.9254



67.5311, 73.2293, 81.0964



68.0388, 73.2293, 83.9761

# Triad

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



67.5311, 73.2293, 81.0964



71.0680, 73.2293, 84.3314



70.2406, 73.2293, 74.0110

# Complementary

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



67.5311, 73.2293, 81.0964



66.6077, 67.9005, 72.5497

# 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.



71.1895, 73.2293, 75.6378



67.5311, 73.2293, 81.0964



71.6706, 73.2293, 81.5709

# Square

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



67.5311, 73.2293, 81.0964



70.0763, 73.2293, 85.8770



71.7153, 73.2293, 78.3875



69.1304, 73.2293, 73.8916



# Rectangle

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



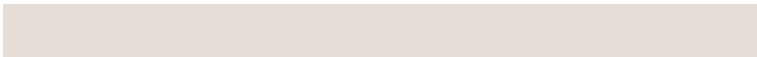
67.5311, 73.2293, 81.0964



68.6244, 73.2293, 85.3202



71.7153, 73.2293, 78.3875



70.5893, 73.2293, 74.3976

# Sweetspot

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



67.5332, 73.2324, 81.0980



93.1352, 99.0202, 108.4799



66.2758, 72.7656, 72.8404



19.9548, 21.2047, 23.2236



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

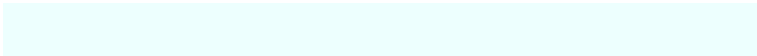


# Same Dimension

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



67.5332, 73.2324, 81.0980



88.5641, 96.6819, 107.4428



66.2281, 70.4037, 81.3365



14.3328, 15.6883, 17.4585



22.0701, 33.6529, 39.6877



1.5436, 2.3381, 2.8235



# Inverse Universe

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



66.6077, 67.9005, 72.5497



87.0779, 88.1194, 93.7152



67.8580, 70.6043, 72.3398



14.0746, 14.2008, 15.0738



17.9696, 9.2549, 1.2399

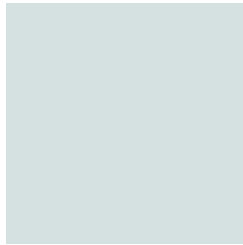


1.2607, 0.6476, 0.1659



# Previews

## White Background



This preview shows how the XYZ color 67.5311, 73.2293, 81.0964 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

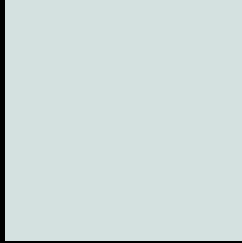
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.5311, 73.2293, 81.0964 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

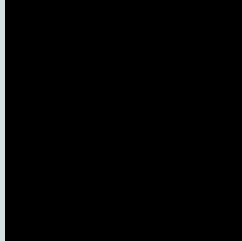
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

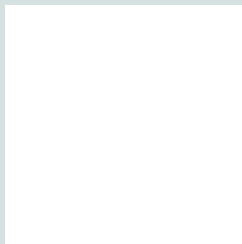
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 67.5311, 73.2293, 81.0964

## Background



This preview shows how black text looks on a background with the XYZ color 67.5311, 73.2293, 81.0964.



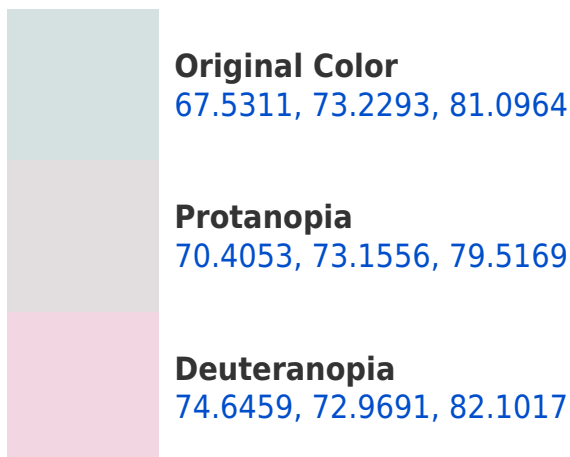
This preview shows how white text looks on a background with the XYZ color 67.5311, 73.2293,



# 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

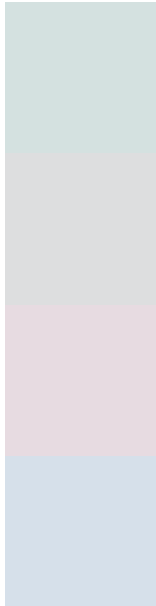




## Tritanopia

70.1402, 73.5137, 92.9309

# Trichromacy



## Original Color

67.5311, 73.2293, 81.0964

## Protanomaly

69.2594, 72.9424, 80.2410

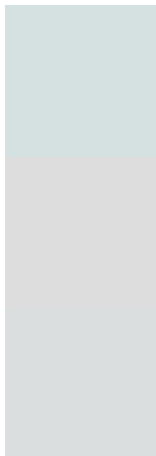
## Deuteranomaly

71.8771, 73.0882, 81.5533

## Tritanomaly

69.2385, 73.5480, 88.3888

# Monochromacy



## Original Color

67.5311, 73.2293, 81.0964

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

68.2195, 72.4219, 79.4905

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.5311, 73.2293, 81.0964 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(212, 225, 224) looks like.

```
.text, #text, p{  
    color:rgb(212, 225, 224)  
}
```

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(212, 225, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 225, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 67.5311, 73.2293, 81.0964 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(212, 225, 224) }
```



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

```
.border{ border-color:rgb(212, 225, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 225, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 225, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 225, 224);  
box-shadow:4px 4px 4px 4px rgb(212, 225,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.5311, 73.2293, 81.0964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 225, 224) }
```

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

```
.background{ background-color: rgb(212,  
225, 224) }
```

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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