

# Converting Colors

XYZ(60.8320, 70.3919, 71.3905)

Have a look what the booklet for  
XYZ(60.8320, 70.3919, 71.3905)  
contains.

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# Color

**XYZ(60.8215, 70.3833,  
71.3525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1E2D2
RGB	193, 226, 210
RGB Percent	76%, 89%, 82%
CMY	0.2431, 0.1137, 0.1765
CMYK	0.15, 0.00, 0.07, 0.11
HSL	151°, 36%, 82%
HSV	151°, 15%, 89%
XYZ	60.8215, 70.3833, 71.3525
YIQ	214.3090, -14.5320, -11.9720

# Conversions

## Conversions Part 2

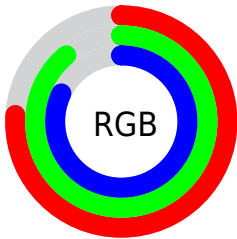
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">193, 215, 226</a>
Decimal	<a href="#">12706514</a>
CIELab	<a href="#">87.18, -13.89, 4.19</a>
CIElCh	<a href="#">87, 14.511, 163.235</a>
Yxy	<a href="#">70.3833, 0.3003, 0.3475</a>
Android (android.graphics.Color)	<a href="#">4290896594</a> ( <a href="#">0xFFC1E2D2</a> )
YUV	<a href="#">214.3090, -2.1243, -18.6880</a>
Hunter-Lab	<a href="#">83.8948, -17.4080, 8.3002</a>

# Details

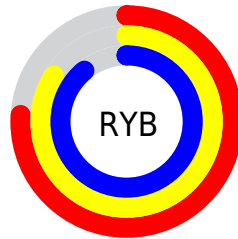
The XYZ color **60.8215, 70.3833, 71.3525** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.9451, 58.9138, 68.4313**, and the grayscale version is **64.1471, 67.4877, 73.4941**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **31.2111, 37.0151, 36.9521** is the 20% darker color. If you saturate the color by 10%, you get **54.1759, 67.1117, 64.1574**, and if you desaturate by 10%, it is **68.4450, 74.1521, 79.0844**.

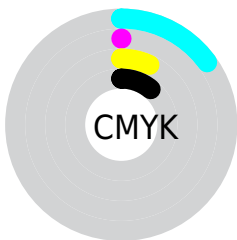
# Distribution



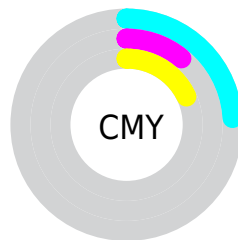
- Red (76%)
- Green (89%)
- Blue (82%)



- Red (76%)
- Yellow (84%)
- Blue (89%)



- Cyan (15%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)



- Cyan (24%)
- Magenta (11%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.8215, 70.3833, 71.3525 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 60.8215, 70.3833, 71.3525 by changing the saturation by 10% instead.



60.8215, 70.3833,  
71.3525

60.8215, 70.3833,  
71.3525

417.4056,  
461.8947, 484.2016

44.3331, 51.8391,  
52.1463

105.1200,  
119.7552, 122.8346

31.1315, 36.8768,  
36.7387

133.6609,  
151.3517, 155.9477

20.8513, 25.1121,  
24.7110

166.9499,  
188.0677, 194.5334

13.1272, 16.1606,  
15.6448

205.3525,  
230.2876, 239.0104

7.5938, 9.6379,  
9.1216

249.2340,  
278.3959, 289.7972

3.8858, 5.1595,  
4.7227

298.9598,

1.6377, 2.3412,

332.7769, 347.3123

2.0296

354.8952,  
393.8151, 411.9742

■ 0.4168, 0.7954,  
0.5734

■ 0.0000, 0.0000,  
0.0000

■ 60.8215, 70.3833,  
71.3525

■ 60.8215, 70.3833,  
71.3525

■ 54.1759, 67.1117,  
64.1574

■ 68.4450, 74.1521,  
79.0844

■ 48.4605, 64.3072,  
57.4828

■ 77.0797, 78.4292,  
87.3598

■ 43.6327, 61.9497,  
51.3182

■ 84.5970, 82.1191,  
96.0895

■ 39.6436, 60.0146,  
45.6509

■ 86.3010, 82.8007,  
105.0629

■ 36.4397, 58.4743,  
40.4678

■ 86.4877, 82.8754,  
106.0459

■ 33.9609, 57.2982,  
35.7550

■ 32.1377, 56.4507,  
31.4976

■ 30.8855, 55.8883,  
27.6797

■ 30.3743, 55.6660,  
25.7939

# Harmonies

## Analogous

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



62.5115, 70.3833, 63.7690



60.8215, 70.3833, 71.3525



60.7236, 70.3833, 81.0093

# Triad

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



60.8215, 70.3833, 71.3525



68.4075, 70.3833, 96.3777



71.7820, 70.3833, 64.4945

# Complementary

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



60.8215, 70.3833, 71.3525



61.9451, 58.9138, 68.4313

# 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.



73.4757, 70.3833, 72.4219



60.8215, 70.3833, 71.3525



71.4834, 70.3833, 91.1257

# Square

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



60.8215, 70.3833, 71.3525



65.0262, 70.3833, 96.0297



73.3646, 70.3833, 82.1729



68.8038, 70.3833, 60.0458



# Rectangle

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



60.8215, 70.3833, 71.3525



61.5685, 70.3833, 87.3795



73.3646, 70.3833, 82.1729



72.5249, 70.3833, 66.8103

# Sweetspot

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



60.8235, 70.3863, 71.3541



90.6102, 97.8020, 104.5889



63.2606, 71.8745, 60.9920



19.2208, 20.8478, 22.2156



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

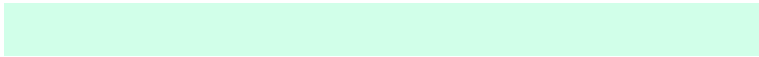


# Same Dimension

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



60.8235, 70.3863, 71.3541



76.7541, 90.9584, 90.4100



62.9185, 71.2243, 82.3865



13.8221, 15.4546, 16.0982



17.3880, 31.7801, 15.0324



1.2505, 2.2209, 1.2800



# Inverse Universe

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



61.9451, 58.9138, 68.4313



78.5393, 72.6997, 85.7587



60.0617, 58.1605, 58.5135



13.9828, 13.8107, 15.6794



19.5455, 9.8852, 9.5384



1.3999, 0.7032, 0.8987



# Previews

## White Background



This preview shows how the XYZ color 60.8215, 70.3833, 71.3525 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

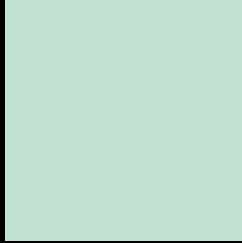
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.8215, 70.3833, 71.3525 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

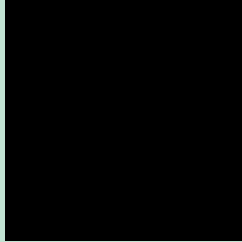
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

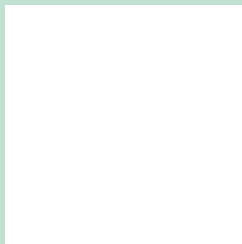
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 60.8215, 70.3833, 71.3525

## Background



This preview shows how black text looks on a background with the XYZ color 60.8215, 70.3833, 71.3525.



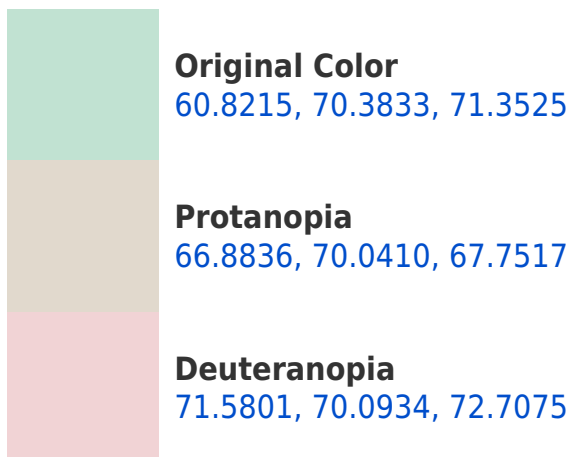
This preview shows how white text looks on a background with the XYZ color 60.8215, 70.3833,



# 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

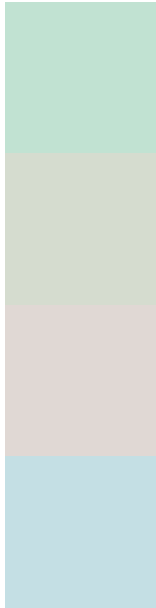




## Tritanopia

64.9900, 70.4803, 91.8401

# Trichromacy



**Original Color**

60.8215, 70.3833, 71.3525

**Protanomaly**

64.2963, 69.8375, 69.1227

**Deuteranomaly**

67.1800, 69.7125, 72.2024

**Tritanomaly**

63.1562, 70.1126, 83.6032

# Monochromacy



**Original Color**

60.8215, 70.3833, 71.3525

**Achromatopsia**

63.9157, 67.2443, 73.2291

**Achromatomaly**

62.5352, 68.0687, 72.7934

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.8215, 70.3833, 71.3525 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(193, 226, 210)` looks like.

```
.text, #text, p{  
    color:rgb(193, 226, 210)  
}
```

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(193, 226, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 226, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 60.8215, 70.3833, 71.3525 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(193, 226, 210) }
```



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

```
.border{ border-color:rgb(193, 226, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 226, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 226, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 226, 210);  
box-shadow:4px 4px 4px 4px rgb(193, 226,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.8215, 70.3833, 71.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 226, 210) }
```

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

```
.background{ background-color: rgb(193,  
226, 210) }
```

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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