

# Converting Colors

XYZ(63.3503, 70.0064, 79.5993)

Have a look what the booklet for  
XYZ(63.3503, 70.0064, 79.5993)  
contains.

<b>XYZ(63.1255, 69.7958, 79.2521)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(63.1255, 69.7958,  
79.2521)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8DEDE
RGB	200, 222, 222
RGB Percent	78%, 87%, 87%
CMY	0.2157, 0.1294, 0.1294
CMYK	0.10, 0.00, 0.00, 0.13
HSL	180°, 25%, 83%
HSV	180°, 10%, 87%
XYZ	63.1255, 69.7958, 79.2521
YIQ	215.4220, -13.1120, -4.6640

# Conversions

## Conversions Part 2

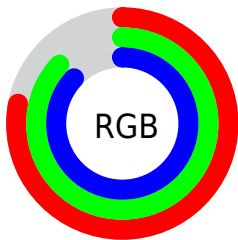
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	200, 211, 222
Decimal	13164254
CIE Lab	86.90, -7.28, -2.50
CIE LCh	87, 7.697, 198.943
Yxy	69.7958, 0.2975, 0.3290
Android (android.graphics.Color)	4291354334 (0xFFC8DEDE)
YUV	215.4220, 3.2430, -13.5251
Hunter-Lab	83.5439, -11.3277, 2.2365

# Details

The XYZ color **63.1255, 69.7958, 79.2521** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.2063, 61.0102, 63.1970**, and the grayscale version is **64.8640, 68.2420, 74.3155**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.6478, 36.5384, 41.8911** is the 20% darker color. If you saturate the color by 10%, you get **57.6217, 66.9604, 78.9937**, and if you desaturate by 10%, it is **69.4942, 73.0809, 79.5539**.

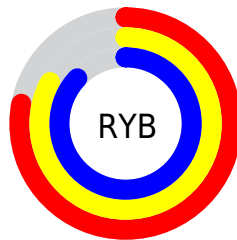
# Distribution



Red (78%)

Green (87%)

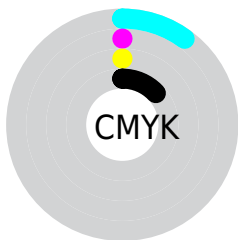
Blue (87%)



Red (78%)

Yellow (83%)

Blue (87%)

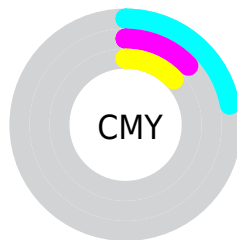


Cyan (10%)

Magenta (0%)

Yellow (0%)

Black (13%)



Cyan (22%)

Magenta (13%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1255, 69.7958, 79.2521 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 63.1255, 69.7958, 79.2521 by changing the saturation by 10% instead.



■ 63.1255, 69.7958,  
79.2521

■ 63.1255, 69.7958,  
79.2521

425.6772,  
459.8327, 512.0489

■ 46.2018, 51.3601,  
58.5806

108.4313,  
118.9175, 134.1156

■ 32.6104, 36.4953,  
41.8578

137.5442,  
150.3723, 169.1446

■ 21.9859, 24.8169,  
28.6652

171.4507,  
186.9355, 209.7966

■ 13.9631, 15.9407,  
18.5843

210.5164,  
228.9916, 256.4900

■ 8.1765, 9.4822,  
11.1965

255.1066,  
276.9250, 309.6434

■ 4.2609, 5.0570,  
6.0834

305.5865,

■ 1.8508, 2.2808,

331.1201, 369.6753

2.8262

362.3216,  
391.9612, 437.0043

■ 0.5480, 0.7635,  
1.0066

■ 0.0000, 0.0000,  
0.0000

■ 63.1255, 69.7958,  
79.2521

■ 63.1255, 69.7958,  
79.2521

■ 57.6217, 66.9604,  
78.9937

■ 69.4942, 73.0809,  
79.5539

■ 52.9399, 64.5469,  
78.7723


■ 76.7566, 76.8247,  
79.8961


■ 49.0425, 62.5378,  
78.5876


■ 80.5489, 78.7796,  
80.0758


■ 45.8866, 60.9109,  
78.4376


■ 80.5493, 78.7798,  
80.0781


 43.4252, 59.6420,  
78.3201


 80.5498, 78.7800,  
80.0805


 41.6059, 58.7043,  
78.2327


 80.5502, 78.7802,  
80.0828


 40.3691, 58.0667,  
78.1725

 80.5506, 78.7803,  
80.0851

 39.6438, 57.6928,  
78.1363

 80.5511, 78.7805,  
80.0874

 39.3061, 57.5188,  
78.1182

 80.5515, 78.7807,  
80.0897

# Harmonies

## Analogous

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



63.0066, 69.7958, 74.1145



63.1255, 69.7958, 79.2521



64.0962, 69.7958, 83.7008

# Triad

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



63.1255, 69.7958, 79.2521



68.9773, 69.7958, 82.6792



67.0034, 69.7958, 66.6958

# Complementary

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



63.1255, 69.7958, 79.2521



61.2063, 61.0102, 63.1970

# 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.



68.6332, 69.7958, 68.7787



63.1255, 69.7958, 79.2521



69.7864, 69.7958, 77.9086

# Square

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



63.1255, 69.7958, 79.2521



67.4663, 69.7958, 85.7403



69.6594, 69.7958, 72.8299



65.2240, 69.7958, 67.0190



# Rectangle

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



63.1255, 69.7958, 79.2521



65.1056, 69.7958, 85.6051



69.6594, 69.7958, 72.8299



67.5875, 69.7958, 67.1338

# Sweetspot

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



63.1275, 69.7987, 79.2536



92.2911, 98.5778, 108.7699



60.4661, 68.7455, 64.7271



19.6003, 21.0204, 23.2740



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.



63.1275, 69.7987, 79.2536



84.6739, 94.6510, 108.4106



60.3917, 64.3264, 78.3439



14.1165, 15.5724, 17.6489



23.3445, 34.1626, 46.3986



1.6181, 2.3680, 3.2162

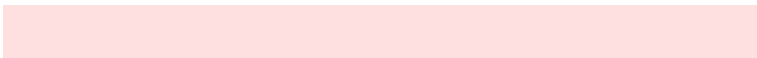


# Inverse Universe

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



61.2063, 61.0102, 63.1970



81.5128, 80.1904, 81.9911



63.7553, 66.1088, 64.0448



13.7074, 13.7006, 14.2292



17.8933, 9.2243, 0.8381

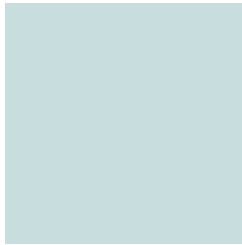


1.2403, 0.6394, 0.0582



# Previews

## White Background



This preview shows how the XYZ color 63.1255, 69.7958, 79.2521 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

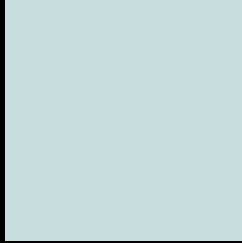
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.1255, 69.7958, 79.2521 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

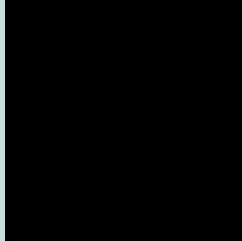
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

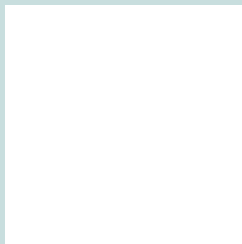
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.1255, 69.7958, 79.2521

## Background



This preview shows how black text looks on a background with the XYZ color 63.1255, 69.7958, 79.2521.



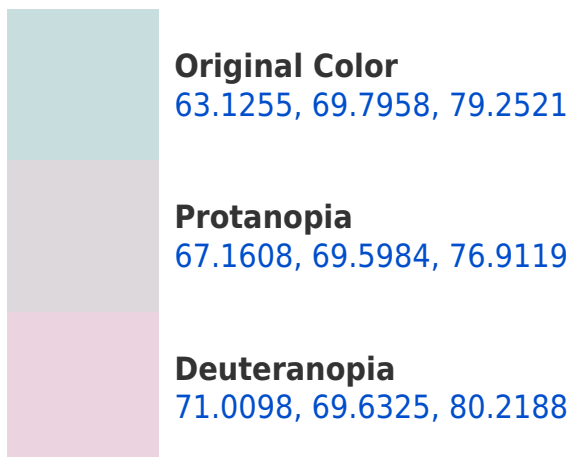
This preview shows how white text looks on a background with the XYZ color 63.1255, 69.7958,



# 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

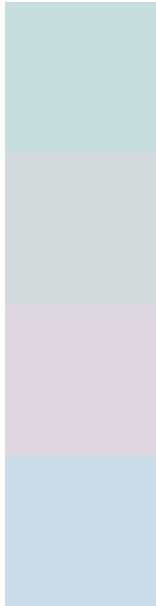




## Tritanopia

65.5079, 69.9973, 90.1790

# Trichromacy



## Original Color

63.1255, 69.7958, 79.2521

## Protanomaly

65.4302, 69.4562, 77.6680

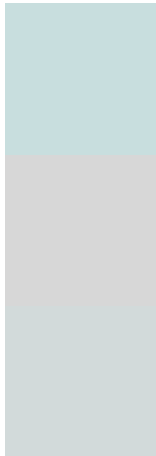
## Deuteranomaly

67.7439, 69.4582, 79.6483

## Tritanomaly

64.7791, 70.0957, 86.4595

# Monochromacy



## Original Color

63.1255, 69.7958, 79.2521

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

64.3046, 68.9064, 76.2407

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.1255, 69.7958, 79.2521 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(200, 222, 222)` looks like.

```
.text, #text, p{  
    color:rgb(200, 222, 222)  
}
```

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(200, 222, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 222, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 63.1255, 69.7958, 79.2521 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(200, 222, 222) }
```



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

```
.border{ border-color:rgb(200, 222, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 222, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 222, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 222, 222);  
box-shadow:4px 4px 4px 4px rgb(200, 222,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.1255, 69.7958, 79.2521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 222, 222) }
```

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

```
.background{ background-color: rgb(200,  
222, 222) }
```

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