

Converting Colors

XYZ(63.6744, 67.7758, 78.5865)

Have a look what the booklet for
XYZ(63.6744, 67.7758, 78.5865)
contains.

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Color

**XYZ(63.7531, 67.7956,
78.8329)**

Conversions

Conversions Part 1

Format	Color
Hex	D0D8DE
RGB	208, 216, 222
RGB Percent	82%, 85%, 87%
CMY	0.1843, 0.1529, 0.1294
CMYK	0.06, 0.03, 0.00, 0.13
HSL	206°, 18%, 84%
HSV	206°, 6%, 87%
XYZ	63.7531, 67.7956, 78.8329
YIQ	214.2920, -6.6940, 0.1700

Conversions

Conversions Part 2

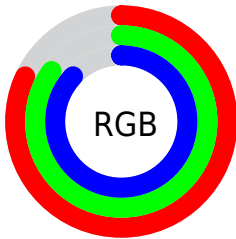
Format	Color
R _Y B	208, 213, 222
Decimal	13687006
CIE Lab	85.90, -1.56, -3.89
CIE LCh	86, 4.193, 248.145
Yxy	67.7956, 0.3030, 0.3223
Android (android.graphics.Color)	4291877086 (0xFFD0D8DE)
YUV	214.2920, 3.8000, -5.5181
Hunter-Lab	82.3381, -5.8819, 0.8707

Details

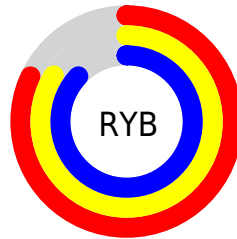
The XYZ color **63.7531, 67.7956, 78.8329** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.5560, 68.1761, 69.3797**, and the grayscale version is **64.0932, 67.4311, 73.4324**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0463, 35.1498, 41.6021** is the 20% darker color. If you saturate the color by 10%, you get **55.5775, 60.0703, 77.7737**, and if you desaturate by 10%, it is **72.9472, 76.2590, 79.9830**.

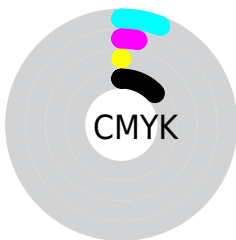
Distribution



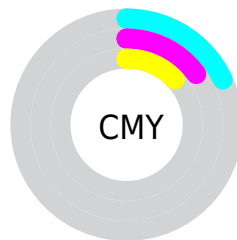
- Red (82%)
- Green (85%)
- Blue (87%)



- Red (82%)
- Yellow (84%)
- Blue (87%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)



- Cyan (18%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7531, 67.7956, 78.8329 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 63.7531, 67.7956, 78.8329 by changing the saturation by 10% instead.

■ 63.7531, 67.7956,
78.8329

■ 63.7531, 67.7956,
78.8329

427.9139,
452.7715, 510.5935

■ 46.7117, 49.7315,
58.2379

109.3310,
116.0597, 133.5201

■ 33.0148, 35.2001,
41.5840

138.5982,
147.0284, 168.4495

■ 22.2970, 23.8170,
28.4526

172.6713,
183.0675, 208.9940

■ 14.1932, 15.1980,
18.4251

211.9158,
224.5613, 255.5723

■ 8.3377, 8.9584,
11.0830

256.6969,
271.8942, 308.6028

■ 4.3654, 4.7141,
6.0078

307.3801,

■ 1.9109, 2.0805,

325.4506, 368.5042

2.7810

364.3306,
385.6149, 435.6949

■ 0.5831, 0.6536,
0.9839

■ 0.0000, 0.0000,
0.0000

■ 63.7531, 67.7956,
78.8329

■ 63.7531, 67.7956,
78.8329

■ 55.5775, 60.0703,
77.7737

■ 72.9472, 76.2590,
79.9830

■ 48.3762, 53.0511,
76.7984

■ 83.1903, 85.4741,
81.2218

■ 42.1100, 46.7162,
75.9059

■ 86.9357, 91.5554,
82.1982

■ 36.7349, 41.0392,
75.0935

■ 89.8794, 97.4428,
83.1794

■ 32.2029, 35.9915,
74.3580

■ 90.1850, 98.0540,
83.2813

■ 28.4612, 31.5420,
73.6964

■ 25.4502, 27.6559,
73.1050

■ 23.1009, 24.2935,
72.5798

■ 21.3272, 21.4061,
72.1159

Harmonies

Analogous

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



62.9971, 67.7956, 77.1308



63.7531, 67.7956, 78.8329



64.6995, 67.7956, 79.1746

Triad

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



63.7531, 67.7956, 78.8329



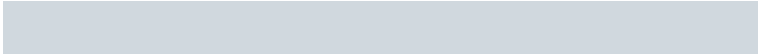
66.2819, 67.7956, 73.0716



63.3045, 67.7956, 69.7387

Complementary

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



63.7531, 67.7956, 78.8329



65.5560, 68.1761, 69.3797

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.



64.1766, 67.7956, 68.7084



63.7531, 67.7956, 78.8329



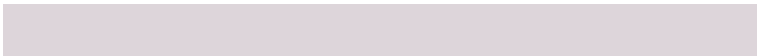
65.9000, 67.7956, 70.6012

Square

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



63.7531, 67.7956, 78.8329



66.1658, 67.7956, 75.8030



65.1272, 67.7956, 69.0202



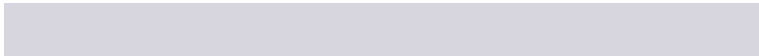
62.7399, 67.7956, 71.8677

Rectangle

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



63.7531, 67.7956, 78.8329



65.3121, 67.7956, 78.5771



65.1272, 67.7956, 69.0202



63.5711, 67.7956, 69.2548

Sweetspot

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



63.7551, 67.7985, 78.8344



92.5056, 97.6597, 108.5824



64.2510, 70.5000, 73.7293



19.8267, 20.9278, 23.2444



0.0000, 0.0000, 0.0000



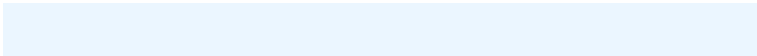
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7551, 67.7985, 78.8344



85.2147, 90.8854, 107.6591



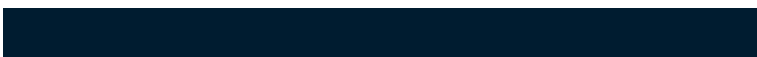
62.0397, 64.3677, 78.2626



13.5993, 14.5377, 17.4770



12.4453, 12.3601, 42.7782



0.9510, 1.0334, 2.9946

Inverse Universe

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



65.0762, 65.6005, 74.2015



87.5088, 87.1178, 99.6033



67.3228, 71.7097, 69.9686



14.0339, 13.8312, 15.9490



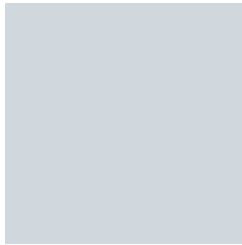
20.2220, 10.1558, 13.1008



1.4463, 0.7218, 1.1429

Previews

White Background



This preview shows how the XYZ color 63.7531, 67.7956, 78.8329 looks on a white background.

Color Contrast Check

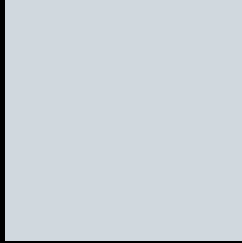
Large Text (above 18pt) WCAG AA × Fail

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 63.7531, 67.7956, 78.8329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

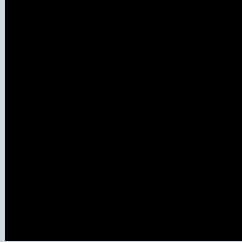
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

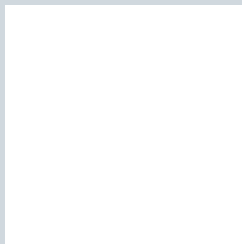
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7531, 67.7956, 78.8329

Background



This preview shows how black text looks on a background with the XYZ color 63.7531, 67.7956, 78.8329.

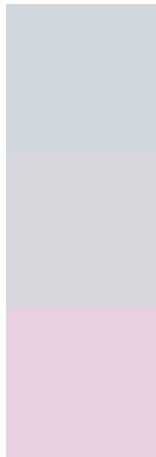


This preview shows how white text looks on a background with the XYZ color 63.7531, 67.7956,

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

63.7531, 67.7956, 78.8329

Protanopia

65.4607, 67.5607, 77.9970

Deuteranopia

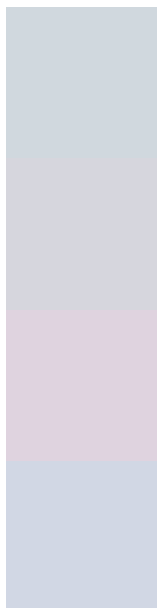
68.9654, 67.4825, 79.9116



Tritanopia

65.3026, 68.0720, 85.2987

Trichromacy



Original Color

63.7531, 67.7956, 78.8329

Protanomaly

64.8293, 67.6097, 78.0397

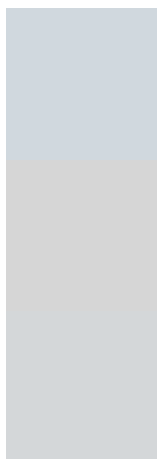
Deuteranomaly

67.0450, 67.6042, 79.3273

Tritanomaly

64.5985, 67.7576, 83.0726

Monochromacy



Original Color

63.7531, 67.7956, 78.8329

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.9762, 67.6077, 75.3233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7531, 67.7956, 78.8329 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(208, 216, 222) looks like.

```
.text, #text, p{  
    color:rgb(208, 216, 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(208, 216, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 216, 222) }
```

Border

The CSS property to change the border of an element to XYZ 63.7531, 67.7956, 78.8329 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(208, 216, 222) }
```


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

```
.border{ border-color:rgb(208, 216, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 216, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 216, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 216, 222);  
box-shadow:4px 4px 4px 4px rgb(208, 216,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7531, 67.7956, 78.8329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 216, 222) }
```

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

```
.background{ background-color: rgb(208,  
216, 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](#).

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