

Converting Colors

XYZ(63.8748, 68.3056, 77.8169)

Have a look what the booklet for
XYZ(63.8748, 68.3056, 77.8169)
contains.

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Color

**XYZ(63.7435, 68.2029,
77.5150)**

Conversions

Conversions Part 1

Format	Color
Hex	D0D9DC
RGB	208, 217, 220
RGB Percent	82%, 85%, 86%
CMY	0.1843, 0.1490, 0.1372
CMYK	0.05, 0.01, 0.00, 0.14
HSL	195°, 15%, 84%
HSV	195°, 5%, 86%
XYZ	63.7435, 68.2029, 77.5150
YIQ	214.6510, -6.3270, -0.9750

Conversions

Conversions Part 2

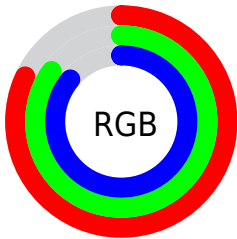
Format	Color
R _Y B	208, 213, 220
Decimal	13687260
CIE Lab	86.11, -2.46, -2.53
CIE LCh	86, 3.533, 225.844
Yxy	68.2029, 0.3043, 0.3256
Android (android.graphics.Color)	4291877340 (0xFFD0D9DC)
YUV	214.6510, 2.6371, -5.8329
Hunter-Lab	82.5850, -6.7481, 2.1595

Details

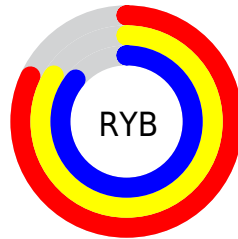
The XYZ color **63.7435, 68.2029, 77.5150** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.1948, 66.3575, 69.1003**, and the grayscale version is **64.3428, 67.6936, 73.7183**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0383, 35.4273, 40.6942** is the 20% darker color. If you saturate the color by 10%, you get **56.5900, 62.4497, 76.7826**, and if you desaturate by 10%, it is **71.8060, 74.4985, 78.3063**.

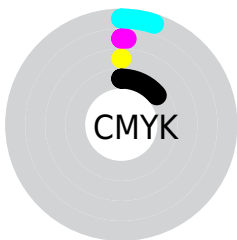
Distribution



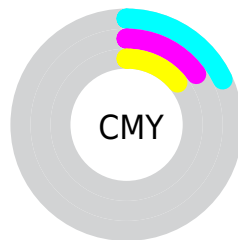
- Red (82%)
- Green (85%)
- Blue (86%)



- Red (82%)
- Yellow (84%)
- Blue (86%)



- Cyan (5%)
- Magenta (1%)
- Yellow (0%)
- Black (14%)



- Cyan (18%)
- Magenta (15%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7435, 68.2029, 77.5150 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 63.7435, 68.2029, 77.5150 by changing the saturation by 10% instead.

■ 63.7435, 68.2029,
77.5150

■ 63.7435, 68.2029,
77.5150

427.8797,
454.2146, 506.0024

■ 46.7039, 50.0628,
57.1616

109.3173,
116.6424, 131.6458

■ 33.0086, 35.4633,
40.7247

138.5821,
147.7105, 166.2603

■ 22.2923, 24.0200,
27.7860

172.6527,
183.8569, 206.4656

■ 14.1896, 15.3485,
17.9268

211.8944,
225.4657, 252.6802

■ 8.3353, 9.0643,
10.7285

256.6726,
272.9215, 305.3226

■ 4.3638, 4.7831,
5.7727

307.3527,

■ 1.9099, 2.1206,

326.6087, 364.8114

2.6408

364.2999,
386.9116, 431.5651

■ 0.5826, 0.6762,
0.9134

■ 0.0000, 0.0000,
0.0000

■ 63.7435, 68.2029,
77.5150

■ 63.7435, 68.2029,
77.5150

■ 56.5900, 62.4497,
76.7826

■ 71.8060, 74.4985,
78.3063

■ 50.3041, 57.2112,
76.1028

■ 80.8053, 81.3457,
79.1536

■ 44.8499, 52.4700,
75.4751

■ 83.4351, 84.9807,
79.7166

■ 40.1863, 48.2044,
74.8976

■ 85.0190, 88.1484,
80.2446

■ 36.2689, 44.3907,
74.3679

■ 86.6517, 91.4138,
80.7888

■ 33.0485, 41.0029,
73.8837

■ 88.3337, 94.7779,
81.3495

■ 30.4698, 38.0117,
73.4423

■ 89.9185, 97.9474,
81.8777

■ 28.4685, 35.3831,
73.0404

■ 26.9656, 33.0759,
72.6743

Harmonies

Analogous

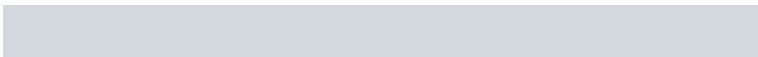
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.3347, 68.2029, 75.4885



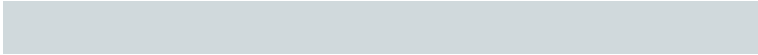
63.7435, 68.2029, 77.5150



64.4438, 68.2029, 78.6809

Triad

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



63.7435, 68.2029, 77.5150



66.3502, 68.2029, 75.3601



64.3996, 68.2029, 70.0433

Complementary

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



63.7435, 68.2029, 77.5150



64.1948, 66.3575, 69.1003

Split Complementary

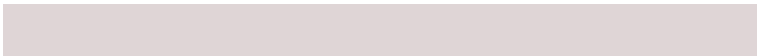
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.2073, 68.2029, 70.0105



63.7435, 68.2029, 77.5150



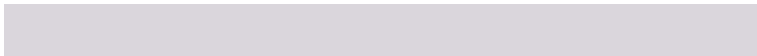
66.3381, 68.2029, 73.0476

Square

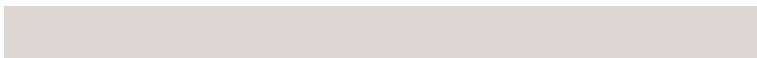
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.7435, 68.2029, 77.5150



65.9511, 68.2029, 77.4193



65.9183, 68.2029, 71.1001



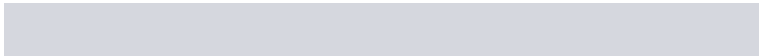
63.7114, 68.2029, 71.1905

Rectangle

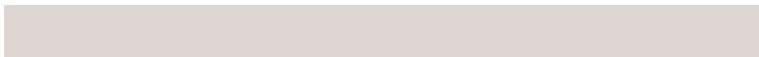
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.7435, 68.2029, 77.5150



64.9839, 68.2029, 78.7979



65.9183, 68.2029, 71.1001



64.6660, 68.2029, 69.9024

Sweetspot

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



63.7455, 68.2058, 77.5165



92.7936, 98.2357, 108.6784



63.3394, 69.2905, 71.5337



19.8853, 21.0450, 23.2640



0.0000, 0.0000, 0.0000



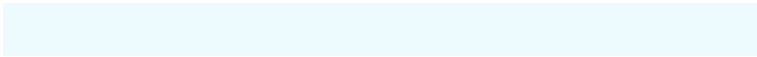
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7455, 68.2058, 77.5165



87.3797, 93.9594, 108.1383



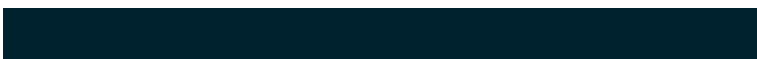
62.2757, 65.2662, 77.0266



13.4544, 14.4893, 16.7397



15.5776, 19.0247, 42.5895



1.0758, 1.3657, 2.7814

Inverse Universe

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



64.5969, 65.3384, 74.8560



88.9082, 88.8515, 103.3534



65.6627, 69.2935, 69.5896



13.7069, 13.6475, 15.9488



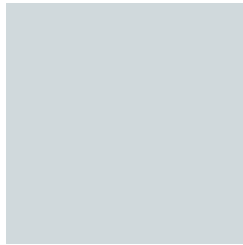
21.3582, 10.5443, 22.0641



1.4173, 0.6966, 1.6065

Previews

White Background



This preview shows how the XYZ color 63.7435, 68.2029, 77.5150 looks on a white background.

Color Contrast Check

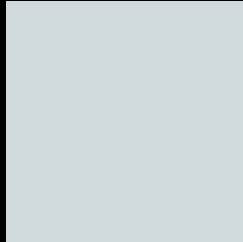
Large Text (above 18pt) WCAG AA × Fail

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 63.7435, 68.2029, 77.5150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

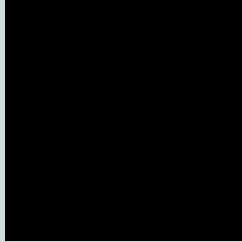
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

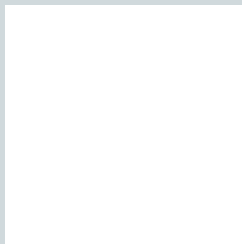
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7435, 68.2029, 77.5150

Background



This preview shows how black text looks on a background with the XYZ color 63.7435, 68.2029, 77.5150.

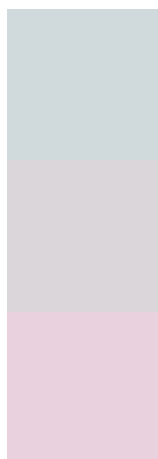


This preview shows how white text looks on a background with the XYZ color 63.7435, 68.2029,

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

63.7435, 68.2029, 77.5150

Protanopia

65.6149, 68.0605, 76.0084

Deuteranopia

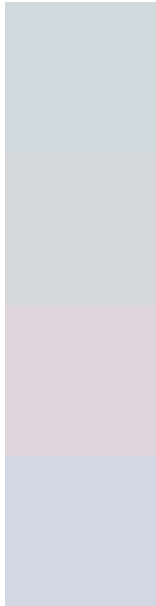
69.5896, 68.1985, 78.6031



Tritanopia

65.4443, 68.1287, 86.0448

Trichromacy



Original Color

63.7435, 68.2029, 77.5150

Protanomaly

64.8182, 68.0115, 76.7291

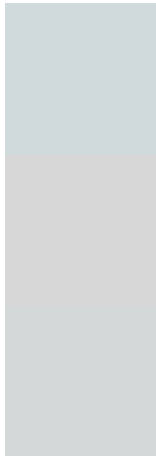
Deuteranomaly

67.3351, 68.1547, 78.0128

Tritanomaly

64.8540, 68.2685, 83.1578

Monochromacy



Original Color

63.7435, 68.2029, 77.5150

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.2316, 68.1185, 75.4085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7435, 68.2029, 77.5150 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, 217, 220) looks like.

```
.text, #text, p{  
    color:rgb(208, 217, 220)  
}
```

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, 217, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 217, 220) }
```

Border

The CSS property to change the border of an element to XYZ 63.7435, 68.2029, 77.5150 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, 217, 220) }
```


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

```
.border{ border-color:rgb(208, 217, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 217, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 217, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 217, 220);  
box-shadow:4px 4px 4px 4px rgb(208, 217,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7435, 68.2029, 77.5150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 217, 220) }
```

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

```
.background{ background-color: rgb(208,  
217, 220) }
```

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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