

Converting Colors

XYZ(64.2159, 67.0155, 78.1088)

Have a look what the booklet for
XYZ(64.2159, 67.0155, 78.1088)
contains.

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Color

**XYZ(63.9968, 66.8060,
77.9285)**

Conversions

Conversions Part 1

Format	Color
Hex	D4D5DD
RGB	212, 213, 221
RGB Percent	83%, 84%, 87%
CMY	0.1686, 0.1647, 0.1333
CMYK	0.04, 0.04, 0.00, 0.13
HSL	233°, 12%, 85%
HSV	233°, 4%, 87%
XYZ	63.9968, 66.8060, 77.9285
YIQ	213.6130, -3.1640, 2.2760

Conversions

Conversions Part 2

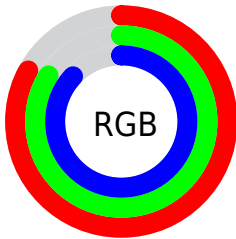
Format	Color
R _Y B	212, 213, 221
Decimal	13948381
CIE Lab	85.41, 1.14, -4.06
CIE LCh	85, 4.220, 285.725
Yxy	66.8060, 0.3066, 0.3201
Android (android.graphics.Color)	4292138461 (0xFFD4D5DD)
YUV	213.6130, 3.6418, -1.4146
Hunter-Lab	81.7349, -3.2743, 0.6856

Details

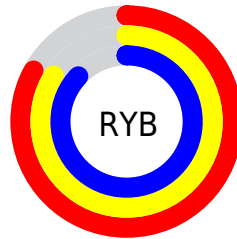
The XYZ color **63.9968, 66.8060, 77.9285** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.2959, 71.3114, 72.5061**, and the grayscale version is **63.6360, 66.9500, 72.9085**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0144, 34.3750, 40.9714** is the 20% darker color. If you saturate the color by 10%, you get **53.4135, 54.4580, 76.1039**, and if you desaturate by 10%, it is **76.0540, 80.8053, 79.9962**.

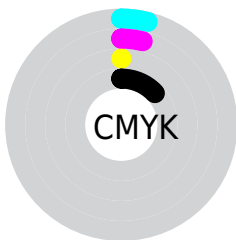
Distribution



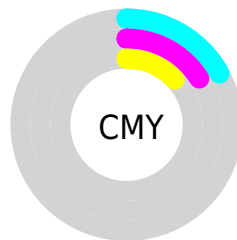
- Red (83%)
- Green (84%)
- Blue (87%)



- Red (83%)
- Yellow (84%)
- Blue (87%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (13%)



- Cyan (17%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9968, 66.8060, 77.9285 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 63.9968, 66.8060, 77.9285 by changing the saturation by 10% instead.

■ 63.9968, 66.8060,
77.9285

■ 63.9968, 66.8060,
77.9285

428.7805,
449.2539, 507.4455

■ 46.9098, 48.9270,
57.4991

109.6801,
114.6424, 132.2343

■ 33.1720, 34.5616,
40.9941

139.0070,
145.3685, 166.9478

■ 22.4181, 23.3253,
27.9948

173.1447,
181.1459, 207.2597

■ 14.2827, 14.8339,
18.0827

212.4583,
222.3588, 253.5887

■ 8.4006, 8.7029,
10.8393

257.3134,
269.3916, 306.3532

■ 4.4063, 4.5479,
5.8461

308.0752,

■ 1.9345, 1.9845,

322.6288, 365.9718

2.6845

365.1091,
382.4548, 432.8631

■ 0.5967, 0.5985,
0.9356

■ 0.0000, 0.0000,
0.0000

■ 63.9968, 66.8060,
77.9285

■ 63.9968, 66.8060,
77.9285

■ 53.4135, 54.4580,
76.1039

■ 76.0540, 80.8053,
79.9962

■ 44.2418, 43.6922,
74.5093

■ 89.1892, 96.2762,
82.2900

■ 36.4237, 34.4469,
73.1368

■ 90.0513, 98.0005,
82.5774

■ 29.8946, 26.6532,
71.9766

■ 24.5849, 20.2372,
71.0181

■ 20.4182, 15.1179,
70.2496

■ 17.3094, 11.2062,
69.6584

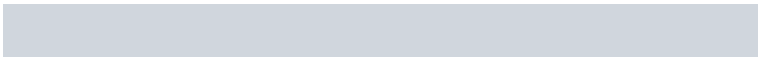
■ 15.1612, 8.4012,
69.2302

■ 13.8581, 6.5854,
68.9484

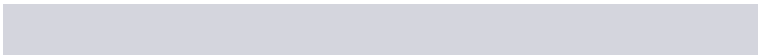
Harmonies

Analogous

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



63.0447, 66.8060, 77.9646



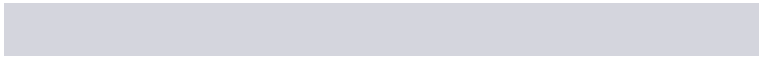
63.9968, 66.8060, 77.9285



64.8229, 66.8060, 76.4793

Triad

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



63.9968, 66.8060, 77.9285



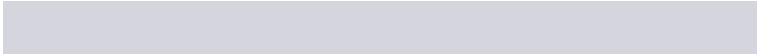
64.7895, 66.8060, 69.0343



61.7316, 66.8060, 71.4495

Complementary

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



63.9968, 66.8060, 77.9285



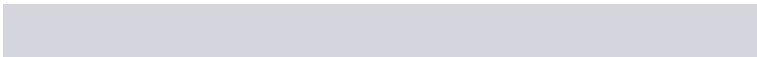
67.2959, 71.3114, 72.5061

Split Complementary

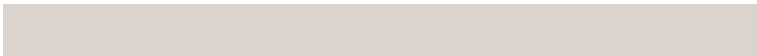
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.1895, 66.8060, 69.1254



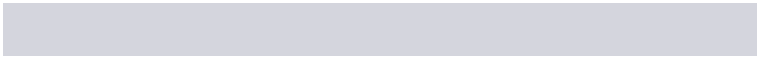
63.9968, 66.8060, 77.9285



63.9516, 66.8060, 67.7549

Square

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



63.9968, 66.8060, 77.9285



65.2837, 66.8060, 71.3223



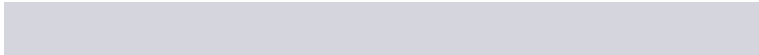
63.0000, 66.8060, 67.7878



61.7434, 66.8060, 74.1771

Rectangle

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



63.9968, 66.8060, 77.9285



65.1882, 66.8060, 74.9271



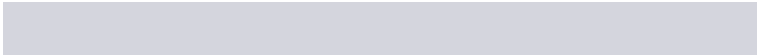
63.0000, 66.8060, 67.7878



61.8355, 66.8060, 70.5966

Sweetspot

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



63.9987, 66.8088, 77.9300



93.3995, 98.0824, 108.6169



65.9206, 70.8757, 77.8825



20.0087, 21.0139, 23.2515



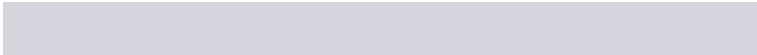
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



63.9987, 66.8088, 77.9300



87.0057, 90.6452, 107.5183



64.7524, 66.8239, 77.8931



13.3278, 13.8672, 16.6263



7.8201, 3.5096, 40.0037



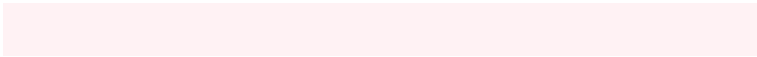
0.5467, 0.3075, 2.6050

Inverse Universe

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



65.3740, 67.2646, 72.4919



89.3458, 91.4249, 98.2642



66.5203, 71.3036, 72.5455



13.7330, 14.0027, 15.0237



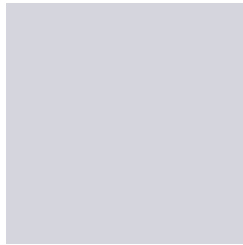
17.4426, 8.9781, 1.4446



1.1502, 0.5897, 0.2001

Previews

White Background



This preview shows how the XYZ color 63.9968, 66.8060, 77.9285 looks on a white background.

Color Contrast Check

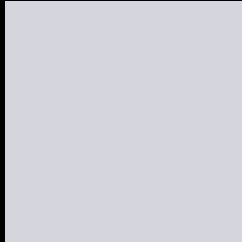
Large Text (above 18pt) WCAG AA × Fail

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 63.9968, 66.8060, 77.9285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

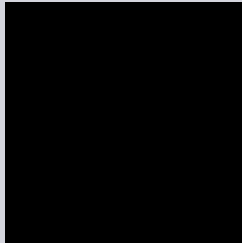
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

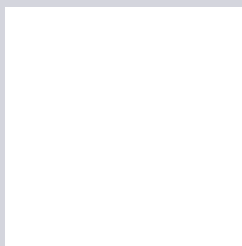
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9968, 66.8060, 77.9285

Background



This preview shows how black text looks on a background with the XYZ color 63.9968, 66.8060, 77.9285.

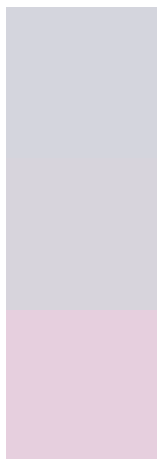


This preview shows how white text looks on a background with the XYZ color 63.9968, 66.8060,

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

63.9968, 66.8060, 77.9285

Protanopia

64.4861, 66.7013, 77.1860

Deuteranopia

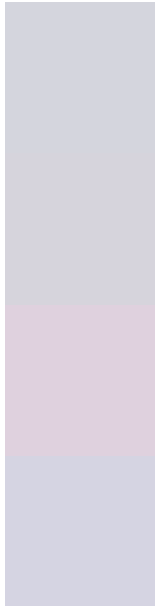
68.1308, 66.7226, 78.3951



Tritanopia

65.1269, 66.8902, 83.6073

Trichromacy



Original Color

63.9968, 66.8060, 77.9285

Protanomaly

64.1933, 66.5504, 77.1723

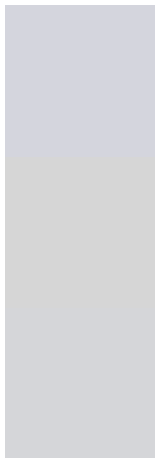
Deuteranomaly

66.4167, 66.5628, 78.4546

Tritanomaly

64.7115, 66.7241, 81.4199

Monochromacy



Original Color

63.9968, 66.8060, 77.9285

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.0115, 67.2490, 75.2522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9968, 66.8060, 77.9285 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, 213, 221) looks like.

```
.text, #text, p{  
    color:rgb(212, 213, 221)  
}
```

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, 213, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 213, 221) }
```

Border

The CSS property to change the border of an element to XYZ 63.9968, 66.8060, 77.9285 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, 213, 221) }
```


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

```
.border{ border-color:rgb(212, 213, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 213, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 213, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 213, 221);  
box-shadow:4px 4px 4px 4px rgb(212, 213,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9968, 66.8060, 77.9285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 213, 221) }
```

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

```
.background{ background-color: rgb(212,  
213, 221) }
```

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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