

Converting Colors

XYZ(65.0763, 70.8916, 82.8967)

Have a look what the booklet for
XYZ(65.0763, 70.8916, 82.8967)
contains.

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Color

**XYZ(64.8882, 70.6260,
82.8852)**

Conversions

Conversions Part 1

Format	Color
Hex	CCDEE3
RGB	204, 222, 227
RGB Percent	80%, 87%, 89%
CMY	0.2000, 0.1294, 0.1098
CMYK	0.10, 0.02, 0.00, 0.11
HSL	193°, 29%, 85%
HSV	193°, 10%, 89%
XYZ	64.8882, 70.6260, 82.8852
YIQ	217.1880, -12.3330, -2.2610

Conversions

Conversions Part 2

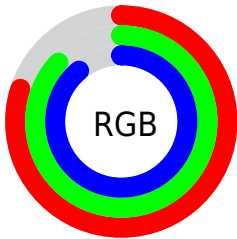
Format	Color
RYB	204, 214, 227
Decimal	13426403
CIELab	87.30, -5.01, -4.51
CIElCh	87, 6.737, 221.979
Yxy	70.6260, 0.2971, 0.3234
Android (android.graphics.Color)	4291616483 (0xFFCCDDEE3)
YUV	217.1880, 4.8373, -11.5659
Hunter-Lab	84.0393, -9.2458, 0.3517

Details

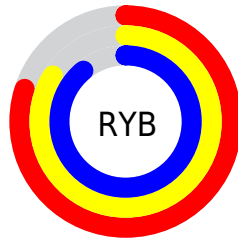
The XYZ color **64.8882, 70.6260, 82.8852** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.3783, 66.2908, 66.4774**, and the grayscale version is **66.0578, 69.4980, 75.6833**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.8428, 37.1000, 44.4070** is the 20% darker color. If you saturate the color by 10%, you get **57.8240, 65.0701, 82.1862**, and if you desaturate by 10%, it is **72.9016, 76.7319, 83.6425**.

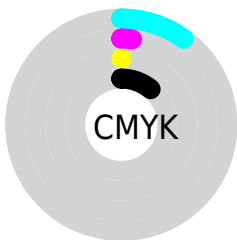
Distribution



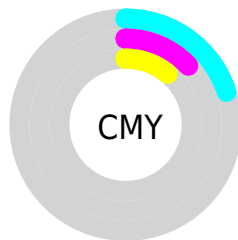
- Red (80%)
- Green (87%)
- Blue (89%)



- Red (80%)
- Yellow (84%)
- Blue (89%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)



- Cyan (20%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8882, 70.6260, 82.8852 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 64.8882, 70.6260, 82.8852 by changing the saturation by 10% instead.

■ 64.8882, 70.6260,
82.8852

■ 64.8882, 70.6260,
82.8852

431.9417,
462.7450, 524.5648

■ 47.6348, 52.0370,
61.5554

110.9557,
120.1010, 139.2625

■ 33.7478, 37.0346,
44.2401

140.5005,
151.7559, 175.1470

■ 22.8619, 25.2343,
30.5207

174.8732,
188.5349, 216.7202

■ 14.6117, 16.2517,
19.9788

214.4391,
230.8223, 264.4005

■ 8.6319, 9.7024,
12.1957

259.5635,
279.0027, 318.6067

■ 4.5570, 5.2021,
6.7529

310.6118,

■ 2.0218, 2.3663,

333.4603, 379.7571

3.2320

367.9494,
394.5796, 448.2703

■ 0.6462, 0.8085,
1.2143

■ 0.0000, 0.0000,
0.0000

■ 64.8882, 70.6260,
82.8852

■ 64.8882, 70.6260,
82.8852

■ 57.8240, 65.0701,
82.1862

■ 72.9016, 76.7319,
83.6425

■ 51.6636, 60.0345,
81.5390

■ 81.8951, 83.3986,
84.4553

■ 46.3666, 55.5001,
80.9429

■ 85.3314, 87.2582,
85.0192

■ 41.8875, 51.4426,
80.3958

■ 86.7773, 90.1500,
85.5011

■ 38.1761, 47.8359,
79.8953

■ 88.2627, 93.1209,
85.9963

■ 35.1767, 44.6506,
79.4385

■ 89.7881, 96.1716,
86.5047

■ 32.8255, 41.8534,
79.0225

■ 90.8653, 98.3261,
86.8638

■ 31.0468, 39.4047,
78.6436

■ 29.7237, 37.2629,
78.3000

Harmonies

Analogous

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



64.1912, 70.6260, 78.7251



64.8882, 70.6260, 82.8852



66.1897, 70.6260, 85.4999

Triad

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



64.8882, 70.6260, 82.8852



70.0673, 70.6260, 79.6310



66.4975, 70.6260, 68.6755

Complementary

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



64.8882, 70.6260, 82.8852



65.3783, 66.2908, 66.4774

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.



68.0749, 70.6260, 68.8965



64.8882, 70.6260, 82.8852



70.1528, 70.6260, 75.1028

Square

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



64.8882, 70.6260, 82.8852



69.1866, 70.6260, 83.5708



69.4185, 70.6260, 71.2095



65.1105, 70.6260, 70.5934

Rectangle

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



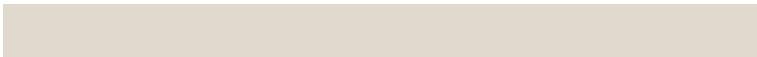
64.8882, 70.6260, 82.8852



67.2332, 70.6260, 85.9546



69.4185, 70.6260, 71.2095



67.0227, 70.6260, 68.5042

Sweetspot

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



64.8902, 70.6290, 82.8868



91.7634, 97.5221, 108.5949



63.8785, 72.3793, 70.9157



19.4573, 20.7344, 23.2266



0.0000, 0.0000, 0.0000



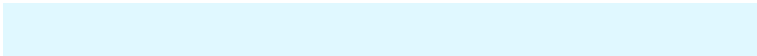
20.3446, 21.4041, 23.3091

Same Dimension

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



64.8902, 70.6290, 82.8868



82.5905, 90.4831, 107.7197



61.9424, 64.7333, 81.9042



14.5278, 15.7771, 18.4239



17.4239, 21.9098, 45.6939



1.3537, 1.7513, 3.3987

Inverse Universe

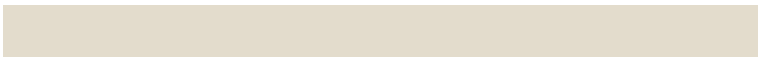
The Inverse Universe completely reimagines the original color for something new.



66.4578, 64.7919, 78.1142



85.0013, 81.5858, 100.3615



68.2989, 72.1321, 67.4510



14.8540, 14.5588, 17.4317



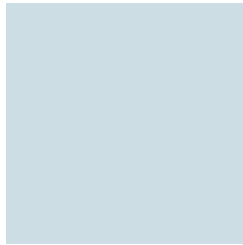
23.1883, 11.4095, 25.6841



1.7469, 0.8565, 2.0737

Previews

White Background



This preview shows how the XYZ color 64.8882, 70.6260, 82.8852 looks on a white background.

Color Contrast Check

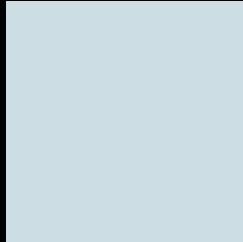
Large Text (above 18pt) WCAG AA × Fail

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 64.8882, 70.6260, 82.8852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

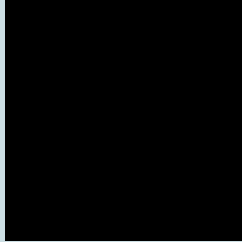
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

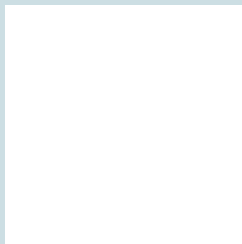
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8882, 70.6260, 82.8852

Background



This preview shows how black text looks on a background with the XYZ color 64.8882, 70.6260, 82.8852.

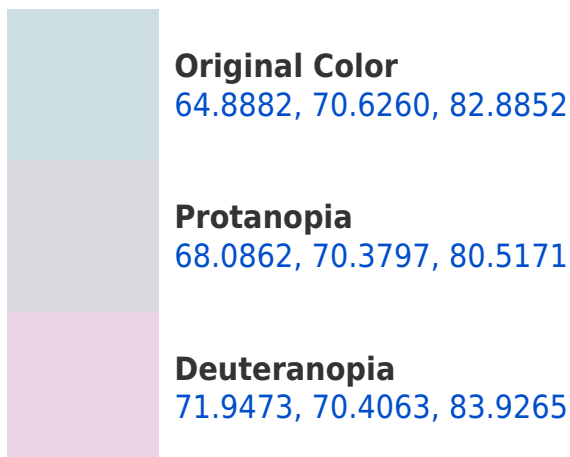


This preview shows how white text looks on a background with the XYZ color 64.8882, 70.6260,

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

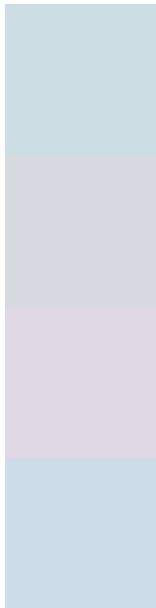




Tritanopia

66.4794, 70.4813, 90.9893

Trichromacy



Original Color

64.8882, 70.6260, 82.8852

Protanomaly

66.9465, 70.5464, 81.3225

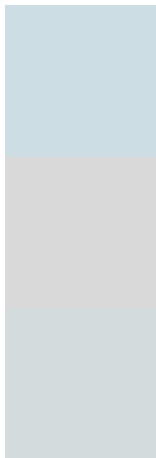
Deuteranomaly

69.2999, 70.5605, 83.3658

Tritanomaly

65.8846, 70.6326, 88.0029

Monochromacy



Original Color

64.8882, 70.6260, 82.8852

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.5340, 69.8805, 78.4409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8882, 70.6260, 82.8852 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(204, 222, 227) looks like.

```
.text, #text, p{  
    color:rgb(204, 222, 227)  
}
```

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(204, 222, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 222, 227) }
```

Border

The CSS property to change the border of an element to XYZ 64.8882, 70.6260, 82.8852 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(204, 222, 227) }
```


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

```
.border{ border-color:rgb(204, 222, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 222, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 222, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 222, 227);  
box-shadow:4px 4px 4px 4px rgb(204, 222,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8882, 70.6260, 82.8852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 222, 227) }
```

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

```
.background{ background-color: rgb(204,  
222, 227) }
```

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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