

Converting Colors

XYZ(64.0780, 70.0064, 76.5493)

Have a look what the booklet for
XYZ(64.0780, 70.0064, 76.5493)
contains.

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Color

**XYZ(63.9649, 69.8967,
76.4498)**

Conversions

Conversions Part 1

Format	Color
Hex	CEDDDA
RGB	206, 221, 218
RGB Percent	81%, 87%, 85%
CMY	0.1922, 0.1333, 0.1451
CMYK	0.07, 0.00, 0.01, 0.13
HSL	168°, 18%, 84%
HSV	168°, 7%, 87%
XYZ	63.9649, 69.8967, 76.4498
YIQ	216.1730, -7.9770, -4.1130

Conversions

Conversions Part 2

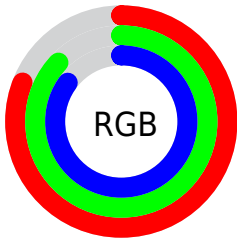
Format	Color
R _Y B	206, 214, 221
Decimal	13557210
CIE Lab	86.95, -5.57, -0.27
CIE LCh	87, 5.575, 182.747
Yxy	69.8967, 0.3041, 0.3323
Android (android.graphics.Color)	4291747290 (0xFFCEDDDA)
YUV	216.1730, 0.9007, -8.9217
Hunter-Lab	83.6042, -9.7386, 4.3067

Details

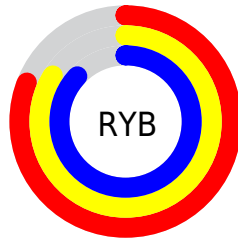
The XYZ color **63.9649, 69.8967, 76.4498** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.4012, 64.1199, 69.3596**, and the grayscale version is **65.3877, 68.7930, 74.9156**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1960, 36.5922, 39.9637** is the 20% darker color. If you saturate the color by 10%, you get **57.6849, 66.7272, 73.1751**, and if you desaturate by 10%, it is **71.1270, 73.5231, 79.8494**.

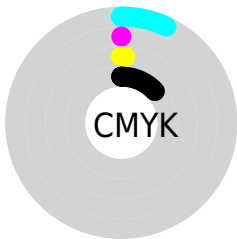
Distribution



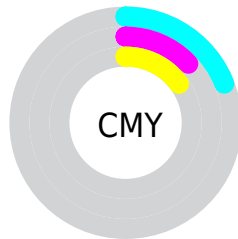
- Red (81%)
- Green (87%)
- Blue (85%)



- Red (81%)
- Yellow (84%)
- Blue (87%)



- Cyan (7%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)



- Cyan (19%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9649, 69.8967, 76.4498 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 63.9649, 69.8967, 76.4498 by changing the saturation by 10% instead.

■ 63.9649, 69.8967,
76.4498

■ 63.9649, 69.8967,
76.4498

428.6671,
460.1872, 502.2738

■ 46.8838, 51.4423,
56.2926

109.6344,
119.0614, 130.1284

■ 33.1514, 36.5608,
40.0320

138.9535,
150.5406, 164.4869

■ 22.4022, 24.8676,
27.2495

173.0827,
187.1301, 204.4162

■ 14.2710, 15.9784,
17.5266

212.3873,
229.2144, 250.3348

■ 8.3924, 9.5089,
10.4447

257.2327,
277.1779, 302.6614

■ 4.4009, 5.0746,
5.5854

307.9843,

■ 1.9314, 2.2911,

331.4049, 361.8144

2.5300

365.0073,
392.2799, 428.2123

■ 0.5950, 0.7690,
0.8560

■ 0.0000, 0.0000,
0.0000

■ 63.9649, 69.8967,
76.4498

■ 63.9649, 69.8967,
76.4498

■ 57.6849, 66.7272,
73.1751

■ 71.1270, 73.5231,
79.8494

■ 52.2452, 63.9871,
70.0183


■ 79.1991, 77.6148,
83.3714


■ 47.6093, 61.6597,
66.9785


■ 81.5604, 78.7606,
86.7081


■ 43.7357, 59.7236,
64.0533

■ 82.1943, 79.0142,
90.0465


 40.5793, 58.1554,
61.2397


 82.8442, 79.2742,
93.4686


 38.0900, 56.9294,
58.5349


 83.5101, 79.5405,
96.9752


 36.2112, 56.0164,
55.9356

 84.1922, 79.8134,
100.5669

 34.8766, 55.3823,
53.4379

 84.8905, 80.0927,
104.2441

 34.0010, 54.9832,
51.0371

 85.1478, 80.1956,
105.5993

Harmonies

Analogous

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



64.2335, 69.8967, 72.8688



63.9649, 69.8967, 76.4498



64.3509, 69.8967, 80.0510

Triad

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



63.9649, 69.8967, 76.4498



67.7984, 69.8967, 82.2978



67.5879, 69.8967, 69.9069

Complementary

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



63.9649, 69.8967, 76.4498



63.4012, 64.1199, 69.3596

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.



68.5630, 69.8967, 72.2921



63.9649, 69.8967, 76.4498



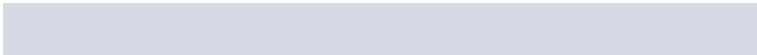
68.6857, 69.8967, 79.4369

Square

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



63.9649, 69.8967, 76.4498



66.5548, 69.8967, 83.4956



68.9673, 69.8967, 75.7625



66.3148, 69.8967, 69.1651

Rectangle

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



63.9649, 69.8967, 76.4498



64.9305, 69.8967, 81.9575



68.9673, 69.8967, 75.7625



67.9620, 69.8967, 70.5392

Sweetspot

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



63.9669, 69.8997, 76.4513



93.0346, 98.9799, 107.9499



63.3645, 69.7640, 68.5195



19.9343, 21.1965, 23.1158



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.



63.9669, 69.8997, 76.4513



87.2884, 96.0739, 105.1411



63.2553, 67.8418, 78.1711



13.3273, 14.7826, 16.1866



19.6578, 31.8958, 29.4271



1.3025, 2.0780, 2.0590

Inverse Universe

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



63.4012, 64.1199, 69.3596



86.3672, 86.6612, 93.5919



64.0701, 66.0472, 67.7649



13.1621, 13.0939, 14.1148



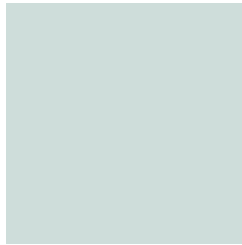
17.6213, 9.0496, 2.3858



1.1726, 0.5987, 0.3176

Previews

White Background



This preview shows how the XYZ color 63.9649, 69.8967, 76.4498 looks on a white background.

Color Contrast Check

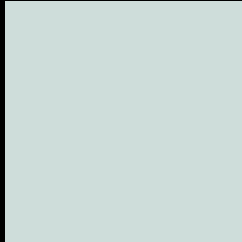
Large Text (above 18pt) WCAG AA × Fail

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 63.9649, 69.8967, 76.4498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

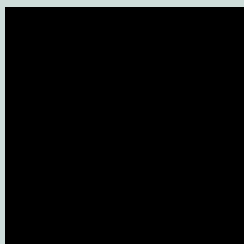
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

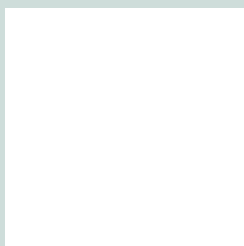
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9649, 69.8967, 76.4498

Background



This preview shows how black text looks on a background with the XYZ color 63.9649, 69.8967, 76.4498.

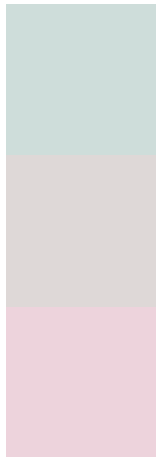


This preview shows how white text looks on a background with the XYZ color 63.9649, 69.8967,

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

63.9649, 69.8967, 76.4498

Protanopia

66.9458, 69.5476, 74.1856

Deuteranopia

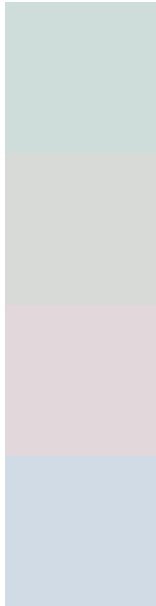
71.1376, 69.7604, 77.4259



Tritanopia

66.5062, 69.7542, 89.3155

Trichromacy



Original Color

63.9649, 69.8967, 76.4498

Protanomaly

65.7850, 69.6996, 74.9519

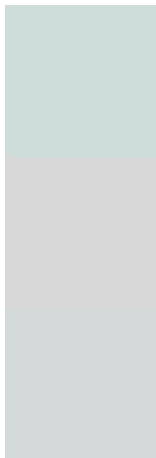
Deuteranomaly

68.4507, 69.8841, 76.8991

Tritanomaly

65.4868, 69.7301, 84.1365

Monochromacy



Original Color

63.9649, 69.8967, 76.4498

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.7472, 69.1496, 75.5803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9649, 69.8967, 76.4498 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(206, 221, 218)` looks like.

```
.text, #text, p{  
    color:rgb(206, 221, 218)  
}
```

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(206, 221, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 221, 218) }
```

Border

The CSS property to change the border of an element to XYZ 63.9649, 69.8967, 76.4498 is called "border". The border property can be set on classes, ids or directly on the HTML element.

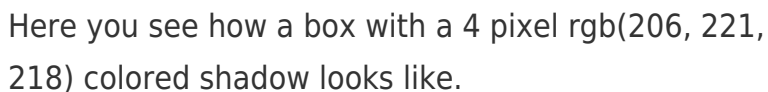
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 221, 218) }
```


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

```
.border{ border-color:rgb(206, 221, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 221, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 221, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 221, 218);  
box-shadow:4px 4px 4px 4px rgb(206, 221,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9649, 69.8967, 76.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 221, 218) }
```

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

```
.background{ background-color: rgb(206,  
221, 218) }
```

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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