

Converting Colors

XYZ(63.4782, 69.7852, 87.9661)

Have a look what the booklet for
XYZ(63.4782, 69.7852, 87.9661)
contains.

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Color

**XYZ(63.4782, 69.7852,
87.9661)**

Conversions

Conversions Part 1

Format	Color
Hex	C3DEEA
RGB	195, 222, 234
RGB Percent	76%, 87%, 92%
CMY	0.2353, 0.1294, 0.0823
CMYK	0.17, 0.05, 0.00, 0.08
HSL	198°, 48%, 84%
HSV	198°, 17%, 92%
XYZ	63.4782, 69.7852, 87.9661
YIQ	215.2950, -19.9440, -1.9920

Conversions

Conversions Part 2

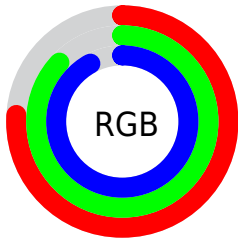
Format	Color
R _Y B	195, 211, 234
Decimal	12836586
CIE Lab	86.89, -6.45, -8.87
CIE LCh	87, 10.968, 234.002
Yxy	69.7852, 0.2869, 0.3154
Android (android.graphics.Color)	4291026666 (0xFFC3DEEA)
YUV	215.2950, 9.2216, -17.7987
Hunter-Lab	83.5375, -10.5528, -3.9569

Details

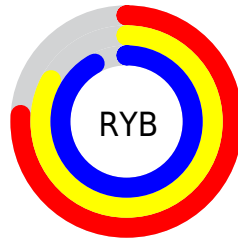
The XYZ color **63.4782, 69.7852, 87.9661** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.0952, 66.0579, 60.8979**, and the grayscale version is **64.7420, 68.1136, 74.1757**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **32.8391, 36.5145, 47.4367** is the 20% darker color. If you saturate the color by 10%, you get **56.0287, 63.1687, 87.0827**, and if you desaturate by 10%, it is **71.9609, 77.0591, 88.9241**.

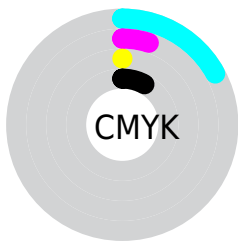
Distribution



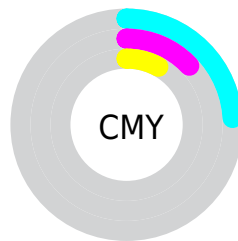
- Red (76%)
- Green (87%)
- Blue (92%)



- Red (76%)
- Yellow (83%)
- Blue (92%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (8%)



- Cyan (24%)
- Magenta (13%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4782, 69.7852, 87.9661 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 63.4782, 69.7852, 87.9661 by changing the saturation by 10% instead.

■ 63.4782, 69.7852,
87.9661

■ 63.4782, 69.7852,
87.9661

426.9350,
459.7954, 541.7906

■ 46.4883, 51.3514,
65.7308

108.9371,
118.9024, 146.4207

■ 32.8376, 36.4884,
47.5988

138.1367,
150.3546, 183.4771

■ 22.1607, 24.8116,
33.1516

172.1370,
186.9151, 226.3109

■ 14.0923, 15.9368,
21.9705

211.3032,
228.9682, 275.3407

■ 8.2670, 9.4794,
13.6371

256.0008,
276.8985, 330.9850

■ 4.3195, 5.0552,
7.7329

306.5950,

■ 1.8844, 2.2797,

331.0901, 393.6625

3.8392

363.4513,
391.9277, 463.7915

■ 0.5678, 0.7629,
1.5375

■ 0.0000, 0.0000,
0.2457

■ 63.4782, 69.7852,
87.9661

■ 63.4782, 69.7852,
87.9661

■ 56.0287, 63.1687,
87.0827

■ 71.9609, 77.0591,
88.9241

■ 49.5613, 57.1764,
86.2670

■ 81.5127, 85.0050,
89.9544

■ 44.0295, 51.7846,
85.5178

■ 88.3217, 91.6610,
90.8803

■ 39.3803, 46.9644,
84.8325

■ 90.5254, 96.0684,
91.6148

■ 35.5554, 42.6841,
84.2079

■ 91.8515, 98.7206,
92.0569

■ 32.4885, 38.9081,
83.6407

■ 30.1025, 35.5948,
83.1269

■ 28.2998, 32.6923,
82.6617

■ 27.7753, 31.7883,
82.5148

Harmonies

Analogous

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



61.9340, 69.7852, 81.8623



63.4782, 69.7852, 87.9661



65.8158, 69.7852, 90.8799

Triad

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



63.4782, 69.7852, 87.9661



71.3442, 69.7852, 77.4665



64.3471, 69.7852, 63.8229

Complementary

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



63.4782, 69.7852, 87.9661



66.0952, 66.0579, 60.8979

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.



66.8443, 69.7852, 62.8121



63.4782, 69.7852, 87.9661



70.9266, 69.7852, 70.3945

Square

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



63.4782, 69.7852, 87.9661



70.3902, 69.7852, 84.5724



69.2634, 69.7852, 65.1430



62.4266, 69.7852, 67.9980

Rectangle

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



63.4782, 69.7852, 87.9661



67.5265, 69.7852, 90.4956



69.2634, 69.7852, 65.1430



65.1452, 69.7852, 63.1135

Sweetspot

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



63.4803, 69.7881, 87.9677



89.2754, 95.1846, 108.2749



63.1555, 74.9393, 69.9767



18.9406, 20.2322, 23.1569



0.0000, 0.0000, 0.0000



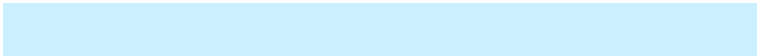
20.3446, 21.4041, 23.3091

Same Dimension

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



63.4803, 69.7881, 87.9677



73.9097, 81.9731, 106.5347



58.6669, 60.1614, 86.3632



15.1040, 16.2945, 19.2713



15.7245, 18.0960, 46.4071



1.3193, 1.5901, 3.6723

Inverse Universe

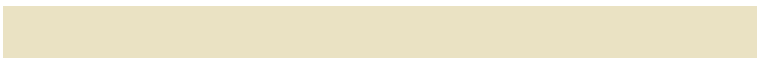
The Inverse Universe completely reimagines the original color for something new.



66.6332, 61.7980, 77.5269



78.4590, 70.6962, 91.4136



71.0339, 75.9353, 62.5441



15.5061, 15.2303, 17.9502



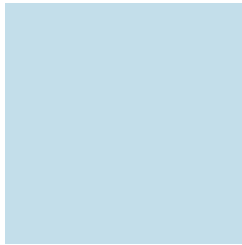
22.7923, 11.3196, 20.5054



1.8324, 0.9059, 1.8349

Previews

White Background



This preview shows how the XYZ color 63.4782, 69.7852, 87.9661 looks on a white background.

Color Contrast Check

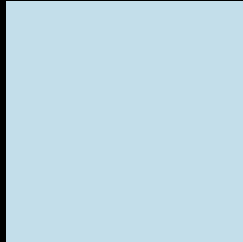
Large Text (above 18pt) WCAG AA × Fail

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 63.4782, 69.7852, 87.9661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

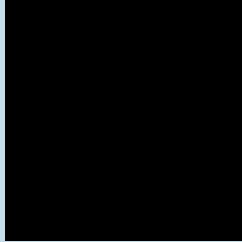
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

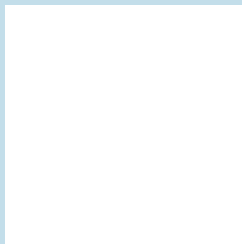
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4782, 69.7852, 87.9661

Background



This preview shows how black text looks on a background with the XYZ color 63.4782, 69.7852, 87.9661.

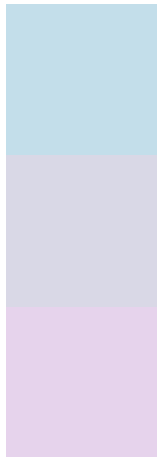


This preview shows how white text looks on a background with the XYZ color 63.4782, 69.7852,

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

63.4782, 69.7852, 87.9661

Protanopia

67.4541, 69.5766, 84.7373

Deuteranopia

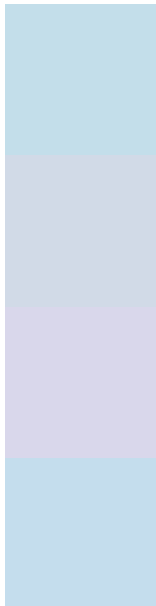
71.0677, 69.4677, 89.0198



Tritanopia

64.2014, 69.6807, 91.7273

Trichromacy



Original Color

63.4782, 69.7852, 87.9661

Protanomaly

65.7897, 69.4676, 85.5424

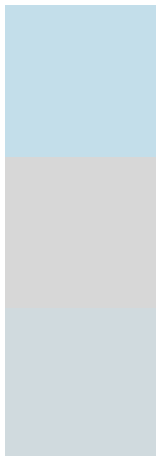
Deuteranomaly

67.9111, 69.3507, 88.4040

Tritanomaly

63.9075, 69.5631, 90.1795

Monochromacy



Original Color

63.4782, 69.7852, 87.9661

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.2686, 68.8266, 79.0048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4782, 69.7852, 87.9661 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(195, 222, 234) looks like.

```
.text, #text, p{  
    color:rgb(195, 222, 234)  
}
```

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(195, 222, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 222, 234) }
```

Border

The CSS property to change the border of an element to XYZ 63.4782, 69.7852, 87.9661 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(195, 222, 234) }
```


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

```
.border{ border-color:rgb(195, 222, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 222, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 222, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 222, 234);  
box-shadow:4px 4px 4px 4px rgb(195, 222,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4782, 69.7852, 87.9661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 222, 234) }
```

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

```
.background{ background-color: rgb(195,  
222, 234) }
```

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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