

Converting Colors

XYZ(61.8808, 67.4082, 83.1128)

Have a look what the booklet for
XYZ(61.8808, 67.4082, 83.1128)
contains.

XYZ(61.8399, 67.4800, 83.1644)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(61.8399, 67.4800,
83.1644)**

Conversions

Conversions Part 1

Format	Color
Hex	C4DAE4
RGB	196, 218, 228
RGB Percent	77%, 85%, 89%
CMY	0.2314, 0.1451, 0.1059
CMYK	0.14, 0.04, 0.00, 0.11
HSL	199°, 37%, 83%
HSV	199°, 14%, 89%
XYZ	61.8399, 67.4800, 83.1644
YIQ	212.5620, -16.3220, -1.5540

Conversions

Conversions Part 2

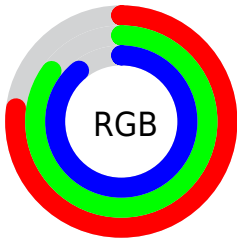
Format	Color
R _{YB}	196, 209, 228
Decimal	12901092
CIE Lab	85.75, -5.30, -7.40
CIE LCh	86, 9.099, 234.368
Yxy	67.4800, 0.2910, 0.3176
Android (android.graphics.Color)	4291091172 (0xFFC4DAE4)
YUV	212.5620, 7.6109, -14.5249
Hunter-Lab	82.1462, -9.3806, -2.5225

Details

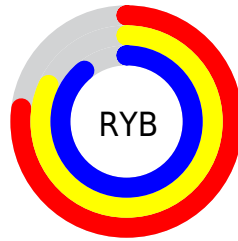
The XYZ color **61.8399, 67.4800, 83.1644** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.0304, 64.6218, 61.3242**, and the grayscale version is **62.9136, 66.1900, 72.0810**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **31.7953, 34.9623, 44.6078** is the 20% darker color. If you saturate the color by 10%, you get **54.5470, 61.0387, 82.3065**, and if you desaturate by 10%, it is **70.1174, 74.5503, 84.0939**.

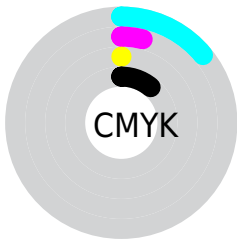
Distribution



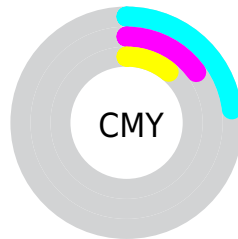
- Red (77%)
- Green (85%)
- Blue (89%)



- Red (77%)
- Yellow (82%)
- Blue (89%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (23%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.8399, 67.4800, 83.1644 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 61.8399, 67.4800, 83.1644 by changing the saturation by 10% instead.

■ 61.8399, 67.4800,
83.1644

■ 61.8399, 67.4800,
83.1644

421.0737,
451.6514, 525.5196

■ 45.1585, 49.4748,
61.7844

106.5854,
115.6079, 139.6570

■ 31.7841, 34.9963,
44.4238

135.3801,
146.4995, 175.6066

■ 21.3514, 23.6600,
30.6642

168.9433,
182.4552, 217.2499

■ 13.4950, 15.0816,
20.0870

207.6403,
223.8596, 265.0054

■ 7.8496, 8.8767,
12.2736

251.8365,
271.0971, 319.2915

■ 4.0499, 4.6608,
6.8055

301.8972,

■ 1.7304, 2.0497,

324.5519, 380.5269

3.2642

358.1878,
384.6086, 449.1301

■ 0.4752, 0.6361,
1.2310

■ 0.0000, 0.0000,
0.0043

■ 61.8399, 67.4800,
83.1644

■ 61.8399, 67.4800,
83.1644

■ 54.5470, 61.0387,
82.3065

■ 70.1174, 74.5503,
84.0939

■ 48.1912, 55.1950,
81.5136

■ 79.4125, 82.2627,
85.0926

■ 42.7298, 49.9274,
80.7847

■ 86.2197, 88.8132,
85.9982

■ 38.1144, 45.2093,
80.1173

■ 88.3506, 93.0752,
86.7086

■ 34.2917, 41.0116,
79.5085

■ 90.5647, 97.5034,
87.4466

■ 31.2015, 37.3018,
78.9553

■ 91.0038, 98.3815,
87.5930

■ 28.7749, 34.0427,
78.4541

■ 26.9275, 31.1893,
78.0007

■ 26.0225, 29.6389,
77.7492

Harmonies

Analogous

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



60.5694, 67.4800, 78.2933



61.8399, 67.4800, 83.1644



63.7467, 67.4800, 85.4500

Triad

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



61.8399, 67.4800, 83.1644



68.1933, 67.4800, 74.6021



62.5046, 67.4800, 63.5436

Complementary

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



61.8399, 67.4800, 83.1644



64.0304, 64.6218, 61.3242

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.



64.5303, 67.4800, 62.6732



61.8399, 67.4800, 83.1644



67.8435, 67.4800, 68.8571

Square

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



61.8399, 67.4800, 83.1644



67.4375, 67.4800, 80.3385



66.4918, 67.4800, 64.5677



60.9473, 67.4800, 67.0125

Rectangle

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



61.8399, 67.4800, 83.1644



65.1335, 67.4800, 85.1161



66.4918, 67.4800, 64.5677



63.1522, 67.4800, 62.9455

Sweetspot

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



61.8419, 67.4828, 83.1659



90.3883, 96.1002, 108.3930



61.6015, 71.6605, 68.7243



19.1643, 20.4157, 23.1805



0.0000, 0.0000, 0.0000



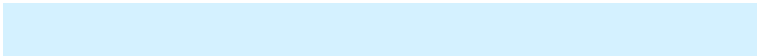
20.3446, 21.4041, 23.3091

Same Dimension

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



61.8419, 67.4828, 83.1659



76.6914, 84.3468, 106.8462



57.9842, 59.7674, 81.8800



14.4077, 15.5369, 18.3839



15.1365, 17.3351, 44.9314



1.2006, 1.4451, 3.3476

Inverse Universe

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



64.3912, 61.0371, 74.7205



80.6417, 74.5504, 93.7171



67.9750, 72.5110, 62.6391



14.7934, 14.5345, 17.1124



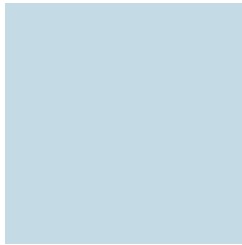
22.0337, 10.9477, 19.6043



1.6696, 0.8256, 1.6667

Previews

White Background



This preview shows how the XYZ color 61.8399, 67.4800, 83.1644 looks on a white background.

Color Contrast Check

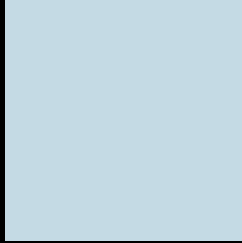
Large Text (above 18pt) WCAG AA × Fail

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 61.8399, 67.4800, 83.1644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

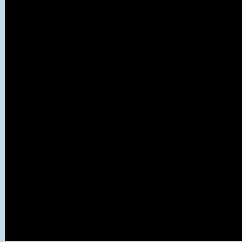
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.8399, 67.4800, 83.1644

Background



This preview shows how black text looks on a background with the XYZ color 61.8399, 67.4800, 83.1644.

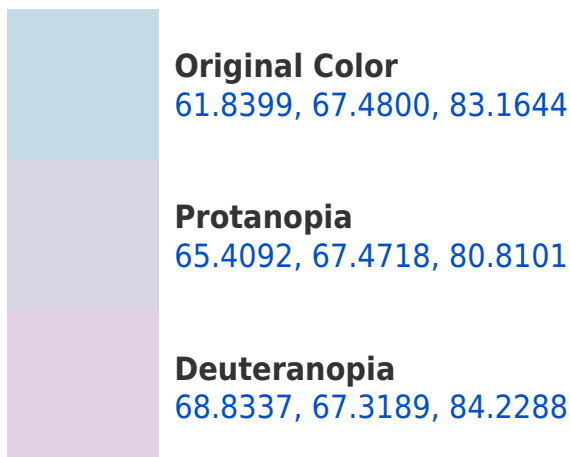


This preview shows how white text looks on a background with the XYZ color 61.8399, 67.4800,

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

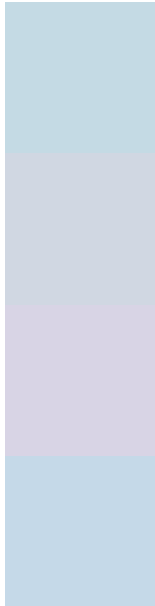




Tritanopia

62.6901, 67.4365, 87.5543

Trichromacy



Original Color

61.8399, 67.4800, 83.1644

Protanomaly

64.0403, 67.5018, 81.6054

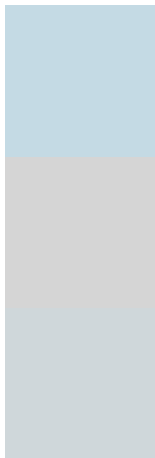
Deuteranomaly

66.0052, 67.3430, 83.6484

Tritanomaly

62.4043, 67.3222, 86.0494

Monochromacy



Original Color

61.8399, 67.4800, 83.1644

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

62.6875, 66.9282, 75.9441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.8399, 67.4800, 83.1644 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(196, 218, 228)` looks like.

```
.text, #text, p{  
    color:rgb(196, 218, 228)  
}
```

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(196, 218, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 218, 228) }
```

Border

The CSS property to change the border of an element to XYZ 61.8399, 67.4800, 83.1644 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(196, 218, 228) }
```


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

```
.border{ border-color:rgb(196, 218, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 218, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 218, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 218, 228);  
box-shadow:4px 4px 4px 4px rgb(196, 218,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 61.8399, 67.4800, 83.1644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 218, 228) }
```

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

```
.background{ background-color: rgb(196,  
218, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor