

Converting Colors

XYZ(61.7815, 66.5624, 82.2303)

Have a look what the booklet for
XYZ(61.7815, 66.5624, 82.2303)
contains.

XYZ(61.9742, 66.7999, 82.3003)	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(61.9742, 66.7999,
82.3003)**

Conversions

Conversions Part 1

Format	Color
Hex	C7D8E3
RGB	199, 216, 227
RGB Percent	78%, 85%, 89%
CMY	0.2196, 0.1529, 0.1098
CMYK	0.12, 0.05, 0.00, 0.11
HSL	204°, 33%, 84%
HSV	204°, 12%, 89%
XYZ	61.9742, 66.7999, 82.3003
YIQ	212.1710, -13.6630, -0.1830

Conversions

Conversions Part 2

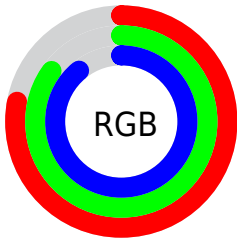
Format	Color
R _Y B	199, 210, 227
Decimal	13097187
CIE Lab	85.40, -3.51, -7.35
CIE LCh	85, 8.146, 244.482
Yxy	66.7999, 0.2936, 0.3165
Android (android.graphics.Color)	4291287267 (0xFFC7D8E3)
YUV	212.1710, 7.3107, -11.5510
Hunter-Lab	81.7312, -7.6787, -2.4910

Details

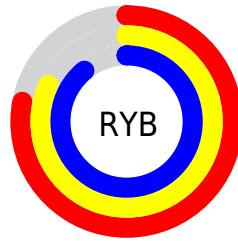
The XYZ color **61.9742, 66.7999, 82.3003** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.0344, 66.5474, 63.4514**, and the grayscale version is **62.6540, 65.9169, 71.7835**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **31.8683, 34.4880, 44.0069** is the 20% darker color. If you saturate the color by 10%, you get **54.1726, 59.4804, 81.2997**, and if you desaturate by 10%, it is **70.8020, 74.8360, 83.3872**.

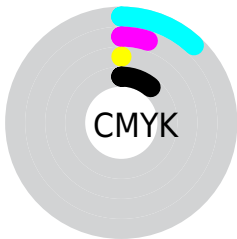
Distribution



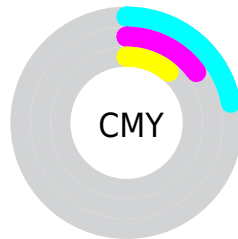
- Red (78%)
- Green (85%)
- Blue (89%)



- Red (78%)
- Yellow (82%)
- Blue (89%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)



- Cyan (22%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9742, 66.7999, 82.3003 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 61.9742, 66.7999, 82.3003 by changing the saturation by 10% instead.

■ 61.9742, 66.7999,
82.3003

■ 61.9742, 66.7999,
82.3003

421.5560,
449.2322, 522.5614

■ 45.2674, 48.9220,
61.0758

106.7784,
114.6336, 138.4355

■ 31.8703, 34.5576,
43.8554

135.6065,
145.3583, 174.1833

■ 21.4175, 23.3223,
30.2205

169.2057,
181.1340, 215.6093

■ 13.5437, 14.8317,
19.7525

207.9414,
222.3452, 263.1321

■ 7.8836, 8.7013,
12.0330

252.1789,
269.3762, 317.1702

■ 4.0717, 4.5469,
6.6433

302.2836,

■ 1.7428, 1.9840,

322.6114, 378.1420

3.1650

358.6209,
382.4353, 446.4663

■ 0.4828, 0.5981,
1.1795

■ 0.0000, 0.0000,
0.0000

■ 61.9742, 66.7999,
82.3003

■ 61.9742, 66.7999,
82.3003

■ 54.1726, 59.4804,
81.2997

■ 70.8020, 74.8360,
83.3872

■ 47.3499, 52.8448,
80.3785

■ 80.6894, 83.6034,
84.5584

■ 41.4634, 46.8700,
79.5355

■ 87.0815, 90.7584,
85.6025

■ 36.4648, 41.5281,
78.7679

■ 89.8111, 96.2177,
86.5124

■ 32.3011, 36.7885,
78.0725

■ 90.8653, 98.3261,
86.8638

■ 28.9132, 32.6178,
77.4460

■ 26.2334, 28.9775,
76.8846

■ 24.1804, 25.8225,
76.3839

■ 22.9318, 23.6791,
76.0360

Harmonies

Analogous

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



60.6097, 66.7999, 78.6430



61.9742, 66.7999, 82.3003



63.7691, 66.7999, 83.3479

Triad

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



61.9742, 66.7999, 82.3003



67.0967, 66.7999, 71.9421



61.5026, 66.7999, 64.6707

Complementary

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



61.9742, 66.7999, 82.3003



65.0344, 66.5474, 63.4514

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.



63.2143, 66.7999, 63.0612



61.9742, 66.7999, 82.3003



66.4628, 66.7999, 67.1281

Square

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



61.9742, 66.7999, 82.3003



66.7493, 66.7999, 77.2022



65.0330, 66.7999, 63.9388



60.3411, 66.7999, 68.4411

Rectangle

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



61.9742, 66.7999, 82.3003



64.9739, 66.7999, 82.3847



65.0330, 66.7999, 63.9388



62.0315, 66.7999, 63.8676

Sweetspot

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



61.9762, 66.8027, 82.3018



90.1317, 95.5871, 108.3074



62.6231, 71.7213, 71.3429



19.0993, 20.2856, 23.1588



0.0000, 0.0000, 0.0000



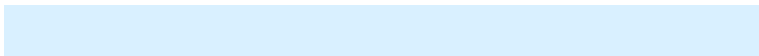
20.3446, 21.4041, 23.3091

Same Dimension

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



61.9762, 66.8027, 82.3018



77.7444, 84.2403, 106.7702



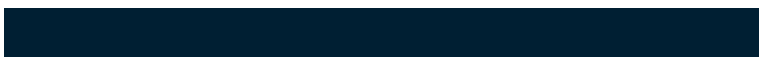
58.6027, 60.0558, 81.1773



14.3075, 15.3363, 18.3505



13.4904, 14.0430, 44.3827



1.0867, 1.2174, 3.3097

Inverse Universe

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



64.4982, 62.1371, 73.5632



81.7133, 77.0468, 92.9852



68.5725, 73.6236, 64.6308



14.7428, 14.5143, 16.8459



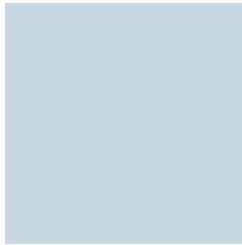
21.2029, 10.6154, 15.2291



1.6122, 0.8026, 1.3642

Previews

White Background



This preview shows how the XYZ color 61.9742, 66.7999, 82.3003 looks on a white background.

Color Contrast Check

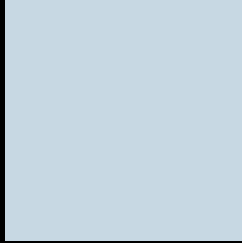
Large Text (above 18pt) WCAG AA × Fail

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 61.9742, 66.7999, 82.3003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

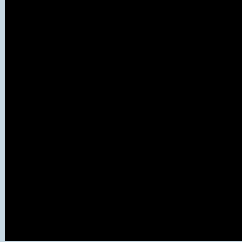
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

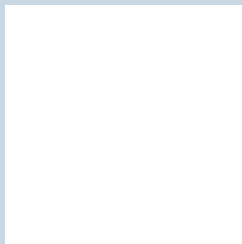
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.9742, 66.7999, 82.3003

Background



This preview shows how black text looks on a background with the XYZ color 61.9742, 66.7999, 82.3003.



This preview shows how white text looks on a background with the XYZ color 61.9742, 66.7999,

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

61.9742, 66.7999, 82.3003

Protanopia

64.8656, 66.8194, 80.7128

Deuteranopia

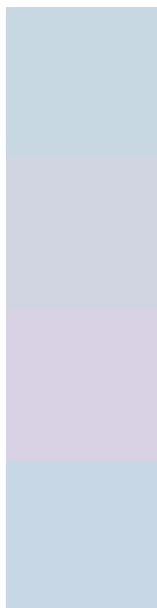
68.1342, 66.6137, 83.3954



Tritanopia

62.6853, 66.7064, 85.9157

Trichromacy



Original Color

61.9742, 66.7999, 82.3003

Protanomaly

63.8162, 66.6348, 81.4498

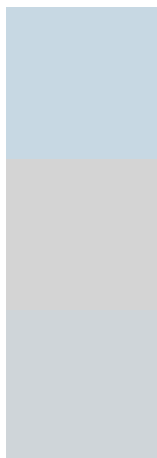
Deuteranomaly

65.6655, 66.4463, 82.7633

Tritanomaly

62.4028, 66.5934, 84.4277

Monochromacy



Original Color

61.9742, 66.7999, 82.3003

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

62.0508, 65.8637, 75.0882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.9742, 66.7999, 82.3003 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(199, 216, 227) looks like.

```
.text, #text, p{  
    color:rgb(199, 216, 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(199, 216, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 216, 227) }
```

Border

The CSS property to change the border of an element to XYZ 61.9742, 66.7999, 82.3003 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(199, 216, 227) }
```


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

```
.border{ border-color:rgb(199, 216, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 216, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 216, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 216, 227);  
box-shadow:4px 4px 4px 4px rgb(199, 216,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 61.9742, 66.7999, 82.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 216, 227) }
```

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

```
.background{ background-color: rgb(199,  
216, 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](#).

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