

Converting Colors

XYZ(62.4983, 66.9141, 83.9678)

Have a look what the booklet for
XYZ(62.4983, 66.9141, 83.9678)
contains.

XYZ(62.5181, 67.0482, 83.7753)	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(62.5181, 67.0482,
83.7753)**

Conversions

Conversions Part 1

Format	Color
Hex	C8D8E5
RGB	200, 216, 229
RGB Percent	78%, 85%, 90%
CMY	0.2157, 0.1529, 0.1020
CMYK	0.13, 0.06, 0.00, 0.10
HSL	207°, 36%, 84%
HSV	207°, 13%, 90%
XYZ	62.5181, 67.0482, 83.7753
YIQ	212.6980, -13.7090, 0.6510

Conversions

Conversions Part 2

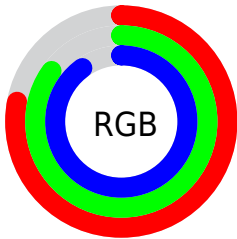
Format	Color
R _Y B	200, 210, 229
Decimal	13162725
CIE Lab	85.53, -2.79, -8.22
CIE LCh	86, 8.677, 251.274
Yxy	67.0482, 0.2930, 0.3143
Android (android.graphics.Color)	4291352805 (0xFFC8D8E5)
YUV	212.6980, 8.0369, -11.1361
Hunter-Lab	81.8830, -7.0094, -3.3421

Details

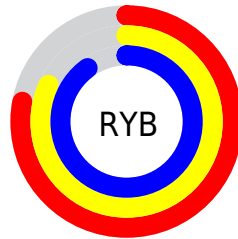
The XYZ color **62.5181, 67.0482, 83.7753** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.5330, 68.4163, 64.3438**, and the grayscale version is **63.0003, 66.2812, 72.1803**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.2389, 34.6567, 45.0346** is the 20% darker color. If you saturate the color by 10%, you get **54.3068, 59.0345, 82.6623**, and if you desaturate by 10%, it is **71.8136, 75.8682, 84.9889**.

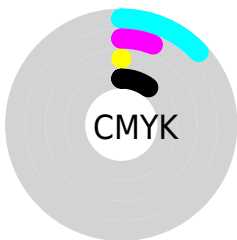
Distribution



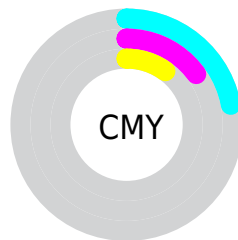
- Red (78%)
- Green (85%)
- Blue (90%)



- Red (78%)
- Yellow (82%)
- Blue (90%)



- Cyan (13%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)



- Cyan (22%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.5181, 67.0482, 83.7753 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 62.5181, 67.0482, 83.7753 by changing the saturation by 10% instead.

■ 62.5181, 67.0482,
83.7753

■ 62.5181, 67.0482,
83.7753

423.5060,
450.1163, 527.6053

■ 45.7086, 49.1238,
62.2856

107.5597,
114.9895, 140.5197

■ 32.2196, 34.7177,
44.8262

136.5226,
145.7751, 176.6116

■ 21.6857, 23.4455,
30.9786

170.2673,
181.6167, 218.4079

■ 13.7414, 14.9228,
20.3243

209.1592,
222.8985, 266.3272

■ 8.0215, 8.7652,
12.4446

253.5636,
270.0050, 320.7880

■ 4.1607, 4.5884,
6.9210

303.8460,

■ 1.7934, 2.0078,

323.3205, 382.2090

3.3350

360.3717,
383.2295, 451.0086

■ 0.5137, 0.6120,
1.2682

■ 0.0000, 0.0000,
0.0355

■ 62.5181, 67.0482,
83.7753

■ 62.5181, 67.0482,
83.7753

■ 54.3068, 59.0345,
82.6623

■ 71.8136, 75.8682,
84.9889

■ 47.1304, 51.7920,
81.6426

■ 82.2284, 85.5115,
86.3013

■ 40.9439, 45.2946,
80.7146

■ 88.5810, 93.3130,
87.4723

■ 35.6970, 39.5118,
79.8749

■ 91.1431, 98.4372,
88.3263

■ 31.3341, 34.4102,
79.1202

■ 27.7935, 29.9528,
78.4464

■ 25.0044, 26.0981,
77.8494

■ 22.8818, 22.7969,
77.3241

■ 21.6513, 20.6736,
76.9791

Harmonies

Analogous

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



60.9207, 67.0482, 80.4018



62.5181, 67.0482, 83.7753



64.4712, 67.0482, 84.1762

Triad

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



62.5181, 67.0482, 83.7753



67.5174, 67.0482, 70.9023



61.2594, 67.0482, 65.1455

Complementary

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



62.5181, 67.0482, 83.7753



66.5330, 68.4163, 64.3438

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.



62.9891, 67.0482, 62.8670



62.5181, 67.0482, 83.7753



66.6188, 67.0482, 66.0746

Square

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



62.5181, 67.0482, 83.7753



67.3850, 67.0482, 76.5451



64.9520, 67.0482, 63.1981



60.2044, 67.0482, 69.5741

Rectangle

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



62.5181, 67.0482, 83.7753



65.7154, 67.0482, 82.6811



64.9520, 67.0482, 63.1981



61.7797, 67.0482, 64.1133

Sweetspot

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



62.5201, 67.0510, 83.7768



89.9554, 95.2344, 108.2487



63.7952, 73.1013, 73.4115



19.0546, 20.1963, 23.1439



0.0000, 0.0000, 0.0000



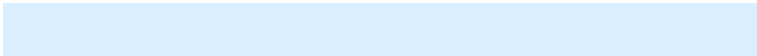
20.3446, 21.4041, 23.3091

Same Dimension

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



62.5201, 67.0510, 83.7768



77.1241, 82.9995, 106.5634



59.0683, 60.1475, 82.6262



14.2389, 15.1992, 18.3276



12.5009, 12.0640, 44.0529



1.0162, 1.0763, 3.2862

Inverse Universe

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



65.3636, 62.9258, 73.6698



81.4001, 76.9216, 91.3363



70.2269, 75.8039, 65.5750



14.7082, 14.5005, 16.6636



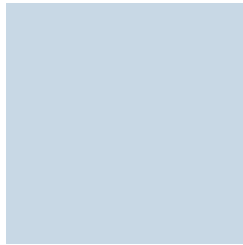
20.7034, 10.4156, 12.5990



1.5766, 0.7883, 1.1767

Previews

White Background



This preview shows how the XYZ color 62.5181, 67.0482, 83.7753 looks on a white background.

Color Contrast Check

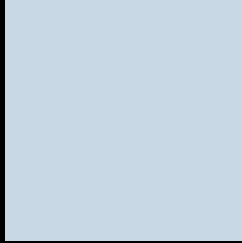
Large Text (above 18pt) WCAG AA × Fail

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 62.5181, 67.0482, 83.7753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

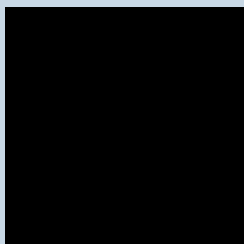
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

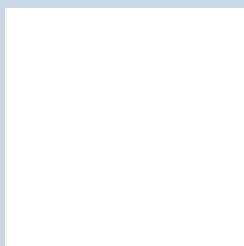
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.5181, 67.0482, 83.7753

Background



This preview shows how black text looks on a background with the XYZ color 62.5181, 67.0482, 83.7753.

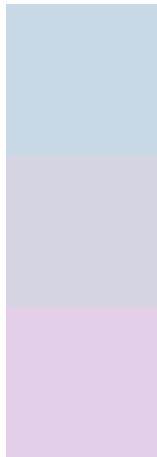


This preview shows how white text looks on a background with the XYZ color 62.5181, 67.0482,

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

62.5181, 67.0482, 83.7753

Protanopia

64.8492, 66.7792, 82.1448

Deuteranopia

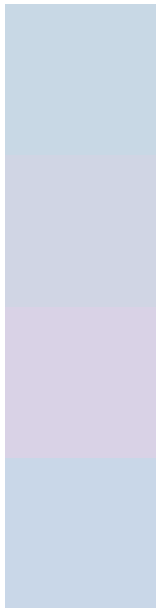
68.1007, 66.5639, 84.8601



Tritanopia

63.0958, 66.9016, 86.6786

Trichromacy



Original Color

62.5181, 67.0482, 83.7753

Protanomaly

63.8103, 66.5998, 82.8907

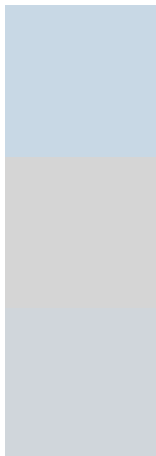
Deuteranomaly

65.9448, 66.5581, 84.2342

Tritanomaly

62.9533, 66.8446, 85.9282

Monochromacy



Original Color

62.5181, 67.0482, 83.7753

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

62.8452, 66.6175, 76.5640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.5181, 67.0482, 83.7753 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(200, 216, 229) looks like.

```
.text, #text, p{  
    color:rgb(200, 216, 229)  
}
```

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(200, 216, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 216, 229) }
```

Border

The CSS property to change the border of an element to XYZ 62.5181, 67.0482, 83.7753 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(200, 216, 229) }
```


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

```
.border{ border-color:rgb(200, 216, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 216, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 216, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 216, 229);  
box-shadow:4px 4px 4px 4px rgb(200, 216,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 62.5181, 67.0482, 83.7753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 216, 229) }
```

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

```
.background{ background-color: rgb(200,  
216, 229) }
```

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