

Converting Colors

XYZ(60.1942, 68.7669, 64.0812)

Have a look what the booklet for
XYZ(60.1942, 68.7669, 64.0812)
contains.

XYZ(59.9833, 68.5082, 64.0948)	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(59.9833, 68.5082,
64.0948)**

Conversions

Conversions Part 1

Format	Color
Hex	C7DEC7
RGB	199, 222, 199
RGB Percent	78%, 87%, 78%
CMY	0.2196, 0.1294, 0.2196
CMYK	0.10, 0.00, 0.10, 0.13
HSL	120°, 26%, 83%
HSV	120°, 10%, 87%
XYZ	59.9833, 68.5082, 64.0948
YIQ	212.5010, -6.3250, -12.0290

Conversions

Conversions Part 2

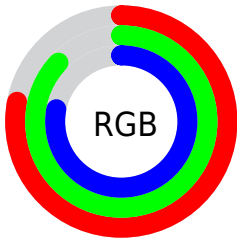
Format	Color
RYB	199, 222, 222
Decimal	13098695
CIELab	86.26, -11.90, 8.69
CIElCh	86, 14.735, 143.844
Yxy	68.5082, 0.3115, 0.3557
Android (android.graphics.Color)	4291288775 (0xFFC7DEC7)
YUV	212.5010, -6.6560, -11.8404
Hunter-Lab	82.7697, -15.4877, 12.0261

Details

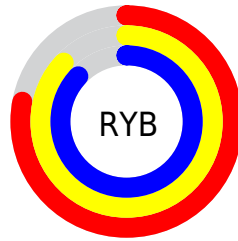
The XYZ color **59.9833, 68.5082, 64.0948** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.7349, 61.6521, 77.6514**, and the grayscale version is **62.9603, 66.2392, 72.1345**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **30.6066, 35.7015, 32.0660** is the 20% darker color. If you saturate the color by 10%, you get **52.1248, 64.7354, 51.2392**, and if you desaturate by 10%, it is **69.0810, 72.8803, 78.9741**.

Distribution



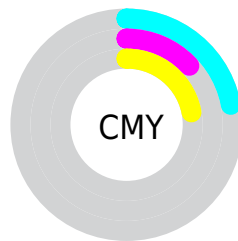
- Red (78%)
- Green (87%)
- Blue (78%)



- Red (78%)
- Yellow (87%)
- Blue (87%)



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



- Cyan (22%)
- Magenta (13%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9833, 68.5082, 64.0948 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 59.9833, 68.5082, 64.0948 by changing the saturation by 10% instead.

■ 59.9833, 68.5082,
64.0948

■ 59.9833, 68.5082,
64.0948

414.3719,
455.2945, 457.7488

■ 43.6546, 50.3113,
46.2808

103.9119,
117.0789, 112.3482

■ 30.5958, 35.6608,
32.1172

132.2425,
148.2214, 143.6247

■ 20.4416, 24.1723,
21.1855

165.3045,
184.4480, 180.2258

■ 12.8265, 15.4615,
13.0671

203.4632,
226.1429, 222.5700

■ 7.3854, 9.1439,
7.3435

247.0839,
273.6906, 271.0759

■ 3.7527, 4.8352,
3.5961


296.5320,

■ 1.5632, 2.1509,


327.4755, 326.1619


1.4065


352.1729,
387.8820, 388.2467


 0.3683, 0.6930,
0.1468


 0.0000, 0.0000,
0.0000


 59.9833, 68.5082,
64.0948


 59.9833, 68.5082,
64.0948


 52.1248, 64.7354,
51.2392


 69.0810, 72.8803,
78.9741

 45.4466, 61.5275,
40.3158

 79.4623, 77.8670,
95.9545

 39.8934, 58.8600,
31.2325

 85.4126, 80.7252,
105.6875

 35.4033, 56.7032,
23.8881

■ 31.9085, 55.0245,
18.1717

■ 29.3333, 53.7875,
13.9595

■ 27.5913, 52.9507,
11.1100

■ 26.5795, 52.4647,
9.4549

■ 26.1226, 52.2452,
8.7076

Harmonies

Analogous

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



62.5106, 68.5082, 58.7619



59.9833, 68.5082, 64.0948



58.8357, 68.5082, 72.6062

Triad

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



59.9833, 68.5082, 64.0948



64.4172, 68.5082, 94.7763



71.2725, 68.5082, 67.2858

Complementary

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



59.9833, 68.5082, 64.0948



63.7349, 61.6521, 77.6514

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.



71.8259, 68.5082, 76.6173



59.9833, 68.5082, 64.0948



67.7907, 68.5082, 93.0409

Square

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



59.9833, 68.5082, 64.0948



61.3377, 68.5082, 90.7364



70.5313, 68.5082, 86.1809



69.0443, 68.5082, 60.4892

Rectangle

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



59.9833, 68.5082, 64.0948



58.9779, 68.5082, 79.1591



70.5313, 68.5082, 86.1809



71.6637, 68.5082, 70.2075

Sweetspot

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



59.9852, 68.5111, 64.0963



91.0839, 98.0949, 102.4128



66.5573, 71.8992, 64.4037



19.2746, 20.8901, 21.5589



0.0000, 0.0000, 0.0000



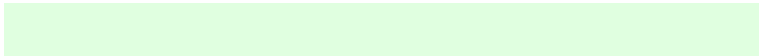
20.3446, 21.4041, 23.3091

Same Dimension

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



59.9852, 68.5111, 64.0963



80.1335, 92.8349, 84.5015



61.3718, 69.0658, 71.3984



13.5288, 15.3373, 14.5542



15.5155, 31.0311, 5.1719



1.0755, 2.1509, 0.3585

Inverse Universe

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



63.7349, 61.6521, 77.6514



86.0532, 82.0066, 105.9008



62.2452, 61.0562, 69.8063



14.2951, 13.9357, 17.3241



25.7245, 12.3568, 42.0765



1.7831, 0.8565, 2.9165

Previews

White Background



This preview shows how the XYZ color 59.9833, 68.5082, 64.0948 looks on a white background.

Color Contrast Check

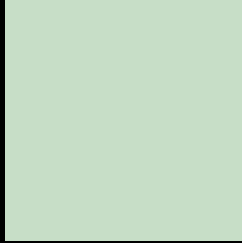
Large Text (above 18pt) WCAG AA × Fail

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 59.9833, 68.5082, 64.0948 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 59.9833, 68.5082, 64.0948

Background



This preview shows how black text looks on a background with the XYZ color 59.9833, 68.5082, 64.0948.



This preview shows how white text looks on a background with the XYZ color 59.9833, 68.5082,

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

59.9833, 68.5082, 64.0948

Protanopia

64.8912, 68.3883, 61.4099

Deuteranopia

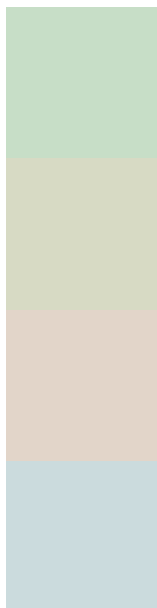
69.4922, 68.0768, 65.3546



Tritanopia

64.8410, 68.5454, 87.6550

Trichromacy



Original Color

59.9833, 68.5082, 64.0948

Protanomaly

63.0595, 68.5754, 62.1373

Deuteranomaly

65.7009, 67.9743, 64.9159

Tritanomaly

63.0113, 68.5800, 78.3228

Monochromacy



Original Color

59.9833, 68.5082, 64.0948

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

61.9535, 67.0757, 69.3561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9833, 68.5082, 64.0948 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, 222, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 222, 199)  
}
```

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, 222, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 222, 199) }
```

Border

The CSS property to change the border of an element to XYZ 59.9833, 68.5082, 64.0948 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, 222, 199) }
```


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

```
.border{ border-color:rgb(199, 222, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 222, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 222, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 222, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 222,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9833, 68.5082, 64.0948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 222, 199) }
```

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

```
.background{ background-color: rgb(199,  
222, 199) }
```

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