

# Converting Colors

XYZ(59.9352, 68.5325, 79.8833)

Have a look what the booklet for  
XYZ(59.9352, 68.5325, 79.8833)  
contains.

<b>XYZ(59.9567, 68.5422, 79.8819)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(59.9567, 68.5422,  
79.8819)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BADFDF
RGB	186, 223, 223
RGB Percent	73%, 87%, 87%
CMY	0.2706, 0.1255, 0.1255
CMYK	0.17, 0.00, 0.00, 0.13
HSL	180°, 37%, 80%
HSV	180°, 17%, 87%
XYZ	59.9567, 68.5422, 79.8819
YIQ	211.9370, -22.0520, -7.8440

# Conversions

## Conversions Part 2

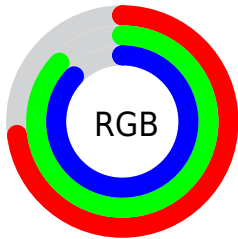
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 205, 223
Decimal	12247007
CIELab	86.28, -12.03, -4.04
CIELCh	86, 12.695, 198.569
Yxy	68.5422, 0.2877, 0.3289
Android (android.graphics.Color)	4290437087 (0xFFBADFDF)
YUV	211.9370, 5.4541, -22.7467
Hunter-Lab	82.7902, -15.6131, 0.7459

# Details

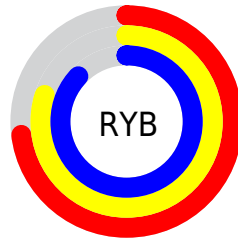
The XYZ color **59.9567, 68.5422, 79.8819** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.8558, 54.3529, 53.9520**, and the grayscale version is **62.5145, 65.7701, 71.6237**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **30.5862, 35.7380, 42.3318** is the 20% darker color. If you saturate the color by 10%, you get **54.9565, 65.9664, 79.6480**, and if you desaturate by 10%, it is **65.8063, 71.5596, 80.1584**.

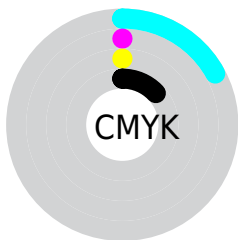
# Distribution



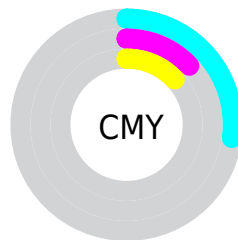
- Red (73%)
- Green (87%)
- Blue (87%)



- Red (73%)
- Yellow (80%)
- Blue (87%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (27%)
- Magenta (13%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9567, 68.5422, 79.8819 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 59.9567, 68.5422, 79.8819 by changing the saturation by 10% instead.



■ 59.9567, 68.5422,  
79.8819

■ 59.9567, 68.5422,  
79.8819

414.2754,  
455.4147, 514.2310

■ 43.6331, 50.3390,  
59.0956

■ 103.8736,  
117.1275, 135.0096

■ 30.5788, 35.6828,  
42.2695

132.1975,  
148.2783, 170.1880

■ 20.4286, 24.1893,  
28.9853

165.2522,  
184.5138, 211.0009

■ 12.8170, 15.4741,  
18.8242

203.4031,  
226.2183, 257.8668

■ 7.3788, 9.1528,  
11.3678

247.0155,  
273.7762, 311.2042

■ 3.7485, 4.8410,  
6.1975

296.4548,

■ 1.5609, 2.1543,

327.5720, 371.4317

2.8948

352.0863,  
387.9900, 438.9678

■ 0.3667, 0.6949,  
1.0412

■ 0.0000, 0.0000,  
0.0000

■ 59.9567, 68.5422,  
79.8819

■ 59.9567, 68.5422,  
79.8819

■ 54.9565, 65.9664,  
79.6480

■ 65.8063, 71.5596,  
80.1584

■ 50.7608, 63.8034,  
79.4503


■ 72.5360, 75.0288,  
80.4747

■ 47.3292, 62.0344,  
79.2884


■ 80.1822, 78.9705,  
80.8339


■ 44.6159, 60.6357,  
79.1600


■ 80.9494, 79.3660,  
80.8712


 42.5698, 59.5809,  
79.0629


 80.9497, 79.3661,  
80.8725

 41.1333, 58.8404,  
78.9944


 80.9499, 79.3662,  
80.8739


 40.2391, 58.3794,  
78.9512

 80.9502, 79.3663,  
80.8752

 39.8015, 58.1538,  
78.9294

 80.9505, 79.3665,  
80.8766

 39.7063, 58.1048,  
78.9245

 80.9507, 79.3666,  
80.8779

# Harmonies

## Analogous

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



59.7853, 68.5422, 71.4817



59.9567, 68.5422, 79.8819



61.4937, 68.5422, 87.3791

# Triad

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



59.9567, 68.5422, 79.8819



69.4585, 68.5422, 85.8125



66.2691, 68.5422, 59.9212

# Complementary

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



59.9567, 68.5422, 79.8819



56.8558, 54.3529, 53.9520

# 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.



68.9428, 68.5422, 63.1870



59.9567, 68.5422, 79.8819



70.8207, 68.5422, 77.8711

# Square

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



59.9567, 68.5422, 79.8819



66.9559, 68.5422, 90.9759



70.6292, 68.5422, 69.6150



63.3716, 68.5422, 60.3710



# Rectangle

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



59.9567, 68.5422, 79.8819



63.1125, 68.5422, 90.6620



70.6292, 68.5422, 69.6150



67.2254, 68.5422, 60.6104

# Sweetspot

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



59.9587, 68.5450, 79.8834



90.5136, 97.6614, 108.6868



55.6525, 66.8399, 56.4239



19.2425, 20.8359, 23.2573



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.



59.9587, 68.5450, 79.8834



78.7111, 91.5771, 108.1317



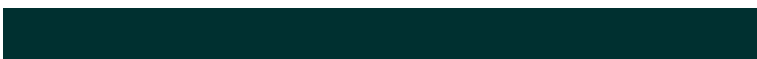
55.4303, 59.4876, 78.3761



14.1166, 15.5724, 17.6491



23.3456, 34.1631, 46.4043



1.6182, 2.3680, 3.2166



# Inverse Universe

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



56.8558, 54.3529, 53.9520



73.7325, 68.8056, 66.5242



60.8620, 62.3659, 55.2858



13.7073, 13.7006, 14.2290



17.8933, 9.2243, 0.8378



1.2403, 0.6394, 0.0582



# Previews

## White Background



This preview shows how the XYZ color 59.9567, 68.5422, 79.8819 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

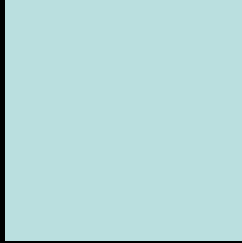
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.9567, 68.5422, 79.8819 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

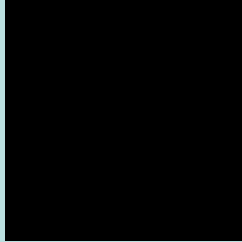
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.9567, 68.5422, 79.8819**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.9567, 68.5422, 79.8819.



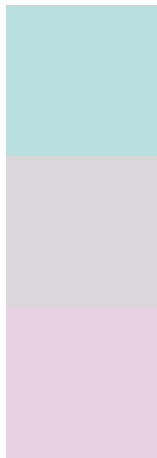
This preview shows how white text looks on a background with the XYZ color 59.9567, 68.5422,



# 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

59.9567, 68.5422, 79.8819

### Protanopia

65.6149, 68.0605, 76.0084

### Deuteranopia

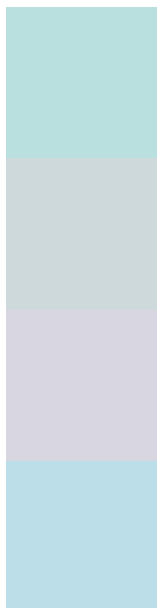
69.4829, 68.0808, 81.4303



## **Tritanopia**

62.2753, 68.7048, 90.8680

# Trichromacy



## Original Color

59.9567, 68.5422, 79.8819

## Protanomaly

63.1847, 67.9148, 77.4888

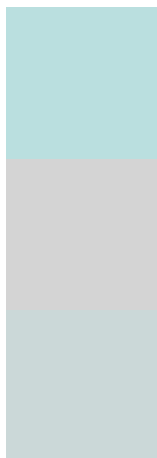
## Deuteranomaly

65.6615, 67.9765, 80.8942

## Tritanomaly

61.5683, 68.8171, 87.1288

# Monochromacy



## Original Color

59.9567, 68.5422, 79.8819

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

61.5791, 66.7661, 74.6073

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.9567, 68.5422, 79.8819 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(186, 223, 223) looks like.

```
.text, #text, p{  
    color:rgb(186, 223, 223)  
}
```

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(186, 223, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 223, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 59.9567, 68.5422, 79.8819 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(186, 223, 223) }
```



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

```
.border{ border-color:rgb(186, 223, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 223, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 223, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 223, 223);  
box-shadow:4px 4px 4px 4px rgb(186, 223,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.9567, 68.5422, 79.8819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 223, 223) }
```

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

```
.background{ background-color: rgb(186,  
223, 223) }
```

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