

# Converting Colors

XYZ(59.8499, 66.5947, 76.7175)

Have a look what the booklet for  
XYZ(59.8499, 66.5947, 76.7175)  
contains.

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# Color

**XYZ(59.8499, 66.5947,  
76.7175)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1DADB
RGB	193, 218, 219
RGB Percent	76%, 85%, 86%
CMY	0.2431, 0.1451, 0.1412
CMYK	0.12, 0.00, 0.00, 0.14
HSL	182°, 27%, 81%
HSV	182°, 12%, 86%
XYZ	59.8499, 66.5947, 76.7175
YIQ	210.6390, -15.2210, -4.9890

# Conversions

## Conversions Part 2

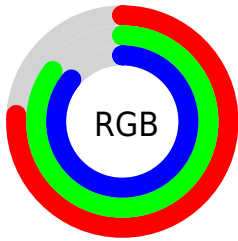
Format	Color
<a href="#">RYB</a>	<a href="#">193, 206, 219</a>
Decimal	<a href="#">12704475</a>
CIELab	<a href="#">85.30, -8.07, -3.31</a>
CIElCh	<a href="#">85, 8.727, 202.322</a>
Yxy	<a href="#">66.5947, 0.2946, 0.3278</a>
Android (android.graphics.Color)	<a href="#">4290894555</a> ( <a href="#">0xFFC1DADB</a> )
YUV	<a href="#">210.6390, 4.1220, -15.4694</a>
Hunter-Lab	<a href="#">81.6056, -11.8970, 1.3853</a>

# Details

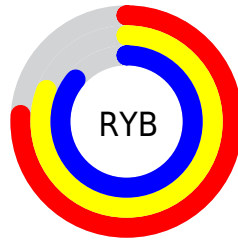
The XYZ color **59.8499, 66.5947, 76.7175** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.1313, 57.4937, 58.4868**, and the grayscale version is **61.6612, 64.8724, 70.6460**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **30.4455, 34.3637, 40.1502** is the 20% darker color. If you saturate the color by 10%, you get **54.4585, 63.4947, 76.4043**, and if you desaturate by 10%, it is **66.0729, 70.1287, 77.0727**.

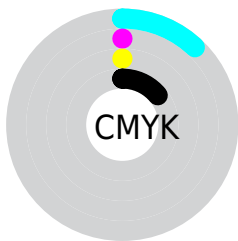
# Distribution



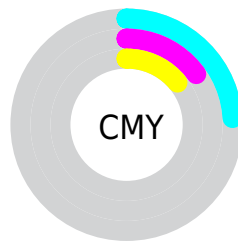
- Red (76%)
- Green (85%)
- Blue (86%)



- Red (76%)
- Yellow (81%)
- Blue (86%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)



- Cyan (24%)
- Magenta (15%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.8499, 66.5947, 76.7175 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 59.8499, 66.5947, 76.7175 by changing the saturation by 10% instead.



■ 59.8499, 66.5947,  
76.7175

■ 59.8499, 66.5947,  
76.7175

413.8879,  
448.5007, 503.2124

■ 43.5467, 48.7553,  
56.5109

■ 103.7195,  
114.3395, 130.5100

■ 30.5106, 34.4254,  
40.2059

132.0165,  
145.0136, 164.9329

■ 20.3765, 23.2206,  
27.3841

165.0422,  
180.7349, 204.9317

■ 12.7789, 14.7565,  
17.6269

203.1619,  
221.8876, 250.9249

■ 7.3524, 8.6487,  
10.5158

246.7410,  
268.8561, 303.3310

■ 3.7317, 4.5127,  
5.6322

296.1448,

■ 1.5515, 1.9643,

322.0249, 362.5686

2.5576

351.7386,  
381.7783, 429.0562

■ 0.3605, 0.5866,  
0.8705

■ 0.0000, 0.0000,  
0.0000

■ 59.8499, 66.5947,  
76.7175

■ 59.8499, 66.5947,  
76.7175

■ 54.4585, 63.4947,  
76.4043

■ 66.0729, 70.1287,  
77.0727

■ 49.8569, 60.8016,  
76.1271

■ 73.1558, 74.1058,  
77.4670

■ 46.0080, 58.4982,  
75.8853

■ 79.7573, 77.8364,  
77.8392

■ 42.8696, 56.5628,  
75.6772

■ 79.9789, 78.2797,  
77.9131

40.3955, 54.9714,  
75.5004

80.2017, 78.7252,  
77.9873

38.5338, 53.6973,  
75.3526

80.4256, 79.1729,  
78.0619

37.2250, 52.7099,  
75.2310

80.6506, 79.6229,  
78.1369

36.3977, 51.9723,  
75.1322

80.8767, 80.0751,  
78.2123

35.9824, 51.5066,  
75.0642

81.1039, 80.5295,  
78.2880

# Harmonies

## Analogous

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



59.6090, 66.5947, 71.0678



59.8499, 66.5947, 76.7175



61.0047, 66.5947, 81.4577

# Triad

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



59.8499, 66.5947, 76.7175



66.3478, 66.5947, 79.3589



63.8047, 66.5947, 62.2630

# Complementary

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



59.8499, 66.5947, 76.7175



58.1313, 57.4937, 58.4868

# 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.



65.6445, 66.5947, 64.2433



59.8499, 66.5947, 76.7175



67.1325, 66.5947, 73.9722

# Square

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



59.8499, 66.5947, 76.7175



64.7487, 66.5947, 83.0371



66.8725, 66.5947, 68.4598



61.8657, 66.5947, 62.9130



# Rectangle

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



59.8499, 66.5947, 76.7175



62.1507, 66.5947, 83.3673



66.8725, 66.5947, 68.4598



64.4558, 66.5947, 62.6394

# Sweetspot

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



59.8518, 66.5975, 76.7190



91.2718, 97.8672, 108.6875



57.0476, 65.8907, 60.6731



19.3886, 20.8642, 23.2553



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

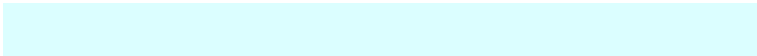


# Same Dimension

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



59.8518, 66.5975, 76.7190



82.6786, 92.9764, 108.1963



56.6429, 60.1796, 75.6493



13.3998, 14.7394, 16.7909



21.3548, 30.5790, 44.5152



1.3971, 2.0083, 2.8884



# Inverse Universe

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



60.9398, 58.2633, 74.3669



84.4802, 79.2119, 104.2933



61.1207, 63.4726, 59.4833



13.5917, 13.2658, 16.3771



24.2742, 11.7107, 37.4197

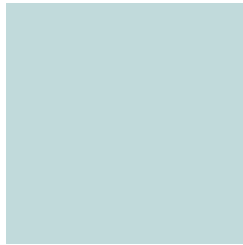


1.5795, 0.7614, 2.4604



# Previews

## White Background



This preview shows how the XYZ color 59.8499, 66.5947, 76.7175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

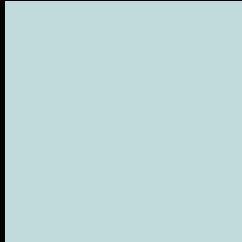
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.8499, 66.5947, 76.7175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

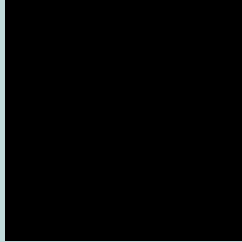
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.8499, 66.5947, 76.7175**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.8499, 66.5947, 76.7175.



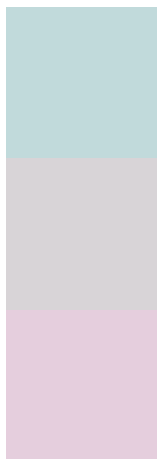
This preview shows how white text looks on a background with the XYZ color 59.8499, 66.5947,



# 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

59.8499, 66.5947, 76.7175

### Protanopia

64.1281, 66.5922, 73.7636

### Deuteranopia

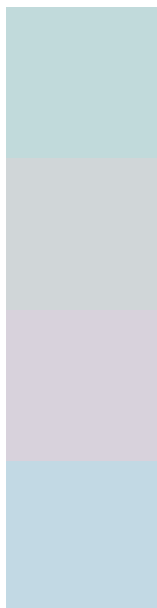
67.4356, 66.0211, 77.5957



## Tritanopia

61.7695, 66.5970, 86.6897

# Trichromacy



## Original Color

59.8499, 66.5947, 76.7175

## Protanomaly

62.4537, 66.4609, 74.5023

## Deuteranomaly

64.2838, 65.8594, 77.0342

## Tritanomaly

61.0646, 66.6965, 83.0540

# Monochromacy



## Original Color

59.8499, 66.5947, 76.7175

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

61.0860, 65.7855, 73.0966

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.8499, 66.5947, 76.7175 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(193, 218, 219)` looks like.

```
.text, #text, p{  
    color:rgb(193, 218, 219)  
}
```

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(193, 218, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 218, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 59.8499, 66.5947, 76.7175 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(193, 218, 219) }
```



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

```
.border{ border-color:rgb(193, 218, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 218, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 218, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 218, 219);  
box-shadow:4px 4px 4px 4px rgb(193, 218,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.8499, 66.5947, 76.7175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 218, 219) }
```

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

```
.background{ background-color: rgb(193,  
218, 219) }
```

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](#).

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