

Converting Colors

XYZ(49.7868, 59.9517, 39.0848)

Have a look what the booklet for
XYZ(49.7868, 59.9517, 39.0848)
contains.

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Color

**XYZ(49.7868, 59.9517,
39.0848)**

Conversions

Conversions Part 1

Format	Color
Hex	BBD499
RGB	187, 212, 153
RGB Percent	73%, 83%, 60%
CMY	0.2667, 0.1686, 0.4000
CMYK	0.12, 0.00, 0.28, 0.17
HSL	85°, 41%, 72%
HSV	85°, 28%, 83%
XYZ	49.7868, 59.9517, 39.0848
YIQ	197.7990, 4.0390, -23.6490

Conversions

Conversions Part 2

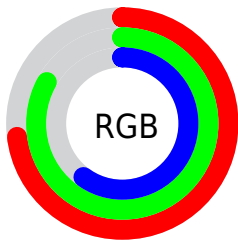
Format	Color
RYB	153, 212, 178
Decimal	12309657
CIELab	81.81, -18.55, 26.50
CIElCh	82, 32.350, 124.990
Yxy	59.9517, 0.3345, 0.4028
Android (android.graphics.Color)	4290499737 (0xFFBBD499)
YUV	197.7990, -22.0859, -9.4707
Hunter-Lab	77.4285, -20.7237, 24.2712

Details

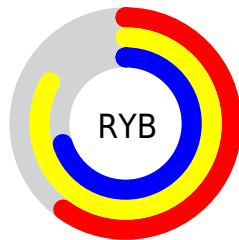
The XYZ color **49.7868, 59.9517, 39.0848** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.6374, 37.0026, 67.2384**, and the grayscale version is **53.6840, 56.4797, 61.5064**.

A 20% lighter version of the original color is **84.4534, 95.3072, 73.6195**, and **24.0788, 30.0401, 16.8411** is the 20% darker color. If you saturate the color by 10%, you get **46.0598, 58.2169, 30.5680**, and if you desaturate by 10%, it is **53.9655, 61.8871, 49.2491**.

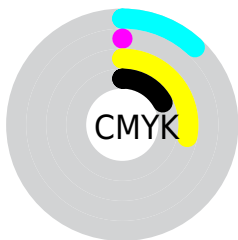
Distribution



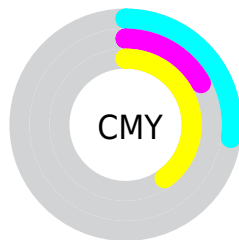
- Red (73%)
- Green (83%)
- Blue (60%)



- Red (60%)
- Yellow (83%)
- Blue (70%)



- Cyan (12%)
- Magenta (0%)
- Yellow (28%)
- Black (17%)





- Cyan (27%)
- Magenta (17%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7868, 59.9517, 39.0848 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 49.7868, 59.9517, 39.0848 by changing the saturation by 10% instead.


 49.7868, 59.9517,
39.0848

 49.7868, 59.9517,
39.0848


376.2974,
424.4197, 357.6876

 35.4611, 43.3797,
26.5174


 89.0526, 104.7596,
74.9896

 24.1865, 30.1832,
16.9819


 114.7235,
133.7643, 99.1641

 15.5975, 19.9776,
10.0597


144.9068,
167.6820, 128.0446

 9.3288, 12.3788,
5.3325

179.9679,
206.8971, 162.0498

 5.0151, 7.0022,
2.3815

220.2722,
251.7941, 201.5981

 2.2910, 3.4635,
0.7763

266.1849,

 0.7900, 1.3782,

302.7572, 247.1082

0.0000

318.0715,
360.1710, 298.9985

■ 0.0000, 0.2006,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.7868, 59.9517,
39.0848

■ 49.7868, 59.9517,
39.0848

■ 46.0598, 58.2169,
30.5680

■ 53.9655, 61.8871,
49.2491

■ 42.7611, 56.6669,
23.6081

■ 58.6091, 64.0226,
61.1376

■ 39.8715, 55.2960,
18.1114

■ 63.7357, 66.3678,
74.8266

■ 37.3685, 54.0946,
13.9727

■ 69.3610, 68.9292,
90.3870

■ 35.2267, 53.0525,
11.0728

■ 74.8483, 71.4523,
104.4545

■ 33.4167, 52.1574,
9.2717

■ 77.8386, 72.9939,
104.5944

■ 31.8980, 51.3928,
8.3707

■ 80.9801, 74.6134,
104.7415

■ 31.5936, 51.2388,
8.2249

■ 82.8347, 75.5695,
104.8282

Harmonies

Analogous

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



55.8490, 59.9517, 34.5501



49.7868, 59.9517, 39.0848



45.9028, 59.9517, 50.6486

Triad

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



49.7868, 59.9517, 39.0848



51.6148, 59.9517, 105.5812



71.0736, 59.9517, 62.0639

Complementary

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



49.7868, 59.9517, 39.0848



41.6374, 37.0026, 67.2384

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.



69.7149, 59.9517, 82.4818



49.7868, 59.9517, 39.0848



58.1308, 59.9517, 110.3072

Square

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



49.7868, 59.9517, 39.0848



46.8977, 59.9517, 89.2749



64.8397, 59.9517, 101.1425



68.4179, 59.9517, 46.0186

Rectangle

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



49.7868, 59.9517, 39.0848



44.8890, 59.9517, 62.0513



64.8397, 59.9517, 101.1425



71.0731, 59.9517, 68.6130

Sweetspot

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



49.7883, 59.9543, 39.0861



88.8283, 97.1521, 92.3651



48.7410, 47.9743, 36.8289



18.7740, 20.6849, 19.1474



0.0000, 0.0000, 0.0000



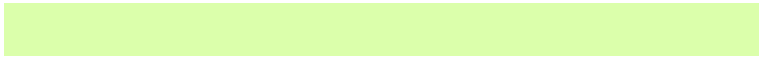
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7883, 59.9543, 39.0861



72.4118, 89.5672, 51.9249



43.3793, 56.6503, 38.7862



12.9408, 14.2457, 13.2283



19.6200, 31.6908, 5.0829



1.2770, 1.9597, 0.3110

Inverse Universe

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



41.6374, 37.0026, 67.2384



58.1804, 49.4843, 101.0927



49.0326, 40.8149, 67.5844



12.2365, 12.2633, 15.6596



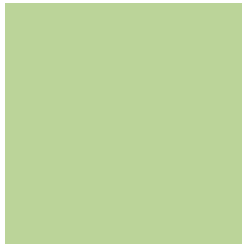
10.0390, 4.3278, 38.7594



0.6989, 0.3092, 2.3422

Previews

White Background



This preview shows how the XYZ color 49.7868, 59.9517, 39.0848 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 49.7868, 59.9517, 39.0848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

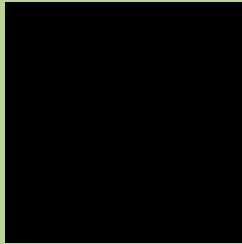
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

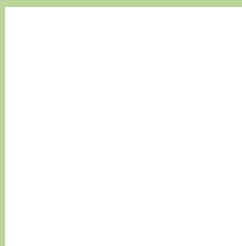
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7868, 59.9517, 39.0848

Background



This preview shows how black text looks on a background with the XYZ color 49.7868, 59.9517, 39.0848.



This preview shows how white text looks on a background with the XYZ color 49.7868, 59.9517,

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

49.7868, 59.9517, 39.0848

Protanopia

55.6942, 59.7872, 37.0385

Deuteranopia

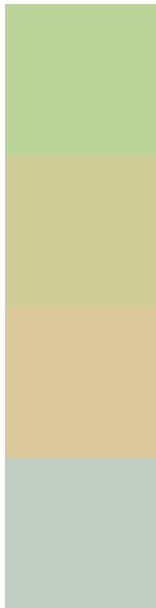
60.8608, 59.6417, 40.2026



Tritanopia

57.1681, 59.6967, 75.5274

Trichromacy



Original Color

49.7868, 59.9517, 39.0848

Protanomaly

53.3085, 59.6100, 37.5504

Deuteranomaly

56.1008, 59.2337, 39.9289

Tritanomaly

53.9140, 59.4202, 60.2574

Monochromacy



Original Color

49.7868, 59.9517, 39.0848

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.0476, 57.5586, 52.6227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7868, 59.9517, 39.0848 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(187, 212, 153)` looks like.

```
.text, #text, p{  
    color:rgb(187, 212, 153)  
}
```

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(187, 212, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 212, 153) }
```

Border

The CSS property to change the border of an element to XYZ 49.7868, 59.9517, 39.0848 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(187, 212, 153) }
```


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

```
.border{ border-color:rgb(187, 212, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 212, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 212, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 212, 153);  
box-shadow:4px 4px 4px 4px rgb(187, 212,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7868, 59.9517, 39.0848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 212, 153) }
```

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

```
.background{ background-color: rgb(187,  
212, 153) }
```

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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