

Converting Colors

XYZ(49.3836, 59.6597, 36.9954)

Have a look what the booklet for
XYZ(49.3836, 59.6597, 36.9954)
contains.

XYZ(49.3823, 59.7899, 36.9549)	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(49.3823, 59.7899,
36.9549)**

Conversions

Conversions Part 1

Format	Color
Hex	BBD494
RGB	187, 212, 148
RGB Percent	73%, 83%, 58%
CMY	0.2667, 0.1686, 0.4196
CMYK	0.12, 0.00, 0.30, 0.17
HSL	83°, 43%, 71%
HSV	83°, 30%, 83%
XYZ	49.3823, 59.7899, 36.9549
YIQ	197.2290, 5.6440, -25.2040

Conversions

Conversions Part 2

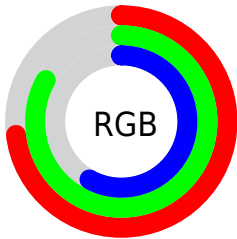
Format	Color
RYB	148, 212, 173
Decimal	12309652
CIELab	81.72, -19.27, 28.98
CIELCh	82, 34.800, 123.614
Yxy	59.7899, 0.3379, 0.4092
Android (android.graphics.Color)	4290499732 (0xFFBBD494)
YUV	197.2290, -24.2699, -8.9708
Hunter-Lab	77.3239, -21.3193, 25.7907

Details

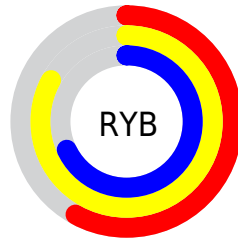
The XYZ color **49.3823, 59.7899, 36.9549** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.7096, 34.8192, 66.9186**, and the grayscale version is **53.3503, 56.1287, 61.1242**.

A 20% lighter version of the original color is **83.7289, 95.0174, 69.8043**, and **23.8875, 29.9636, 15.8338** is the 20% darker color. If you saturate the color by 10%, you get **45.8878, 58.1667, 28.8197**, and if you desaturate by 10%, it is **53.3041, 61.6015, 46.7168**.

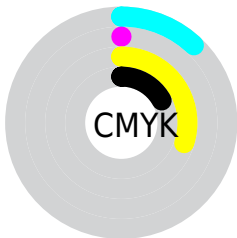
Distribution



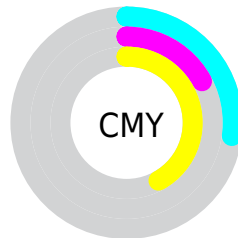
- Red (73%)
- Green (83%)
- Blue (58%)



- Red (58%)
- Yellow (83%)
- Blue (68%)



- Cyan (12%)
- Magenta (0%)
- Yellow (30%)
- Black (17%)





- Cyan (27%)
- Magenta (17%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3823, 59.7899, 36.9549 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 49.3823, 59.7899, 36.9549 by changing the saturation by 10% instead.


 49.3823, 59.7899,
36.9549


 49.3823, 59.7899,
36.9549


374.7375,
423.8229, 348.2780

 35.1386, 43.2493,
24.8771


 88.4563, 104.5248,
71.6890

 23.9367, 30.0808,
15.7673


 114.0173,
133.4880, 95.1823

 15.4111, 19.8999,
9.2071


144.0815,
167.3607, 123.3178

 9.1966, 12.3223,
4.7778

179.0143,
206.5275, 156.5141

 4.9278, 6.9636,
2.0611

219.1809,
251.3728, 195.1898

 2.2393, 3.4393,
0.5924

264.9467,

 0.7633, 1.3652,

302.2808, 239.7633

0.0000

316.6771,
359.6361, 290.6532

■ 0.0000, 0.1908,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.3823, 59.7899,
36.9549

■ 49.3823, 59.7899,
36.9549

■ 45.8878, 58.1667,
28.8197

■ 53.3041, 61.6015,
46.7168

■ 42.7974, 56.7164,
22.2189


■ 57.6661, 63.6009,
58.1834


■ 40.0920, 55.4333,
17.0566


■ 62.4861, 65.7975,
71.4324


■ 37.7492, 54.3079,
13.2249


■ 67.7796, 68.1976,
86.5353


 35.7435, 53.3299,
10.6003


 73.5611, 70.8072,
103.5600

 34.0448, 52.4870,
9.0364

 76.4184, 72.2617,
104.5280

 32.6252, 51.7706,
8.2732

 79.2435, 73.7181,
104.6602

 82.1980, 75.2412,
104.7984

 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.



55.9452, 59.7899, 32.5713



49.3823, 59.7899, 36.9549



45.1217, 59.7899, 48.7694

Triad

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



49.3823, 59.7899, 36.9549



50.7960, 59.7899, 108.3352



72.0763, 59.7899, 62.5911

Complementary

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



49.3823, 59.7899, 36.9549



39.7096, 34.8192, 66.9186

Split Complementary

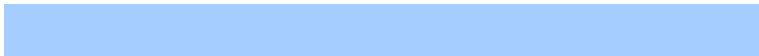
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.4030, 59.7899, 84.7237



49.3823, 59.7899, 36.9549



57.7210, 59.7899, 114.2276

Square

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



49.3823, 59.7899, 36.9549



45.8873, 59.7899, 90.0829



64.9880, 59.7899, 104.8035



69.3837, 59.7899, 45.2259

Rectangle

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



49.3823, 59.7899, 36.9549



43.9488, 59.7899, 60.7168



64.9880, 59.7899, 104.8035



72.0068, 59.7899, 69.6914

Sweetspot

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



49.3838, 59.7925, 36.9562



88.3505, 96.9480, 90.4374



47.3532, 45.8457, 34.3712



18.6905, 20.6503, 18.7642



0.0000, 0.0000, 0.0000



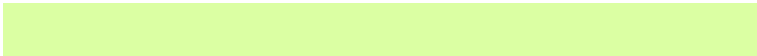
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3838, 59.7925, 36.9562



71.6430, 89.2526, 48.1959



42.4980, 56.2428, 36.6339



12.9813, 14.2666, 13.2302



20.2554, 32.0184, 5.1126



1.3133, 1.9784, 0.3127

Inverse Universe

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



39.7096, 34.8192, 66.9186



54.7530, 45.6364, 100.5306



47.5241, 38.8477, 67.2843



12.1969, 12.2429, 15.6578



9.6339, 4.1190, 38.7404



0.6725, 0.2956, 2.3409

Previews

White Background



This preview shows how the XYZ color 49.3823, 59.7899, 36.9549 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 49.3823, 59.7899, 36.9549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

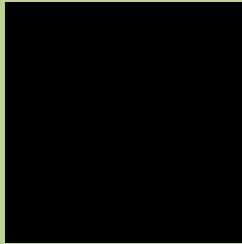
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3823, 59.7899, 36.9549

Background



This preview shows how black text looks on a background with the XYZ color 49.3823, 59.7899, 36.9549.



This preview shows how white text looks on a background with the XYZ color 49.3823, 59.7899,

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

49.3823, 59.7899, 36.9549

Protanopia

55.6034, 59.7856, 34.9947

Deuteranopia

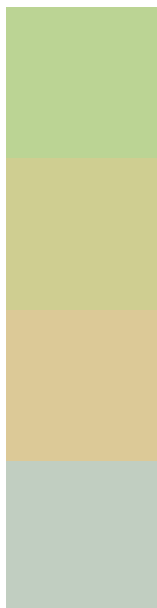
60.5559, 59.2013, 37.9411



Tritanopia

57.1681, 59.6967, 75.5274

Trichromacy



Original Color

49.3823, 59.7899, 36.9549

Protanomaly

52.9143, 59.4523, 35.4746

Deuteranomaly

55.9878, 59.2233, 37.7585

Tritanomaly

53.6893, 59.3303, 59.0742

Monochromacy



Original Color

49.3823, 59.7899, 36.9549

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.2495, 56.8332, 50.9166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3823, 59.7899, 36.9549 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(187, 212, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 212, 148) }
```

Border

The CSS property to change the border of an element to XYZ 49.3823, 59.7899, 36.9549 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, 148) }
```


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

```
.border{ border-color:rgb(187, 212, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 212, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 212, 148); box-shadow:4px 4px 4px 4px rgb(187, 212, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3823, 59.7899, 36.9549 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, 148) }
```

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

```
.background{ background-color: rgb(187,  
212, 148) }
```

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