

Converting Colors

XYZ(48.9818, 54.7981, 40.0016)

Have a look what the booklet for
XYZ(48.9818, 54.7981, 40.0016)
contains.

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Color

**XYZ(49.0149, 54.8833,
39.9085)**

Conversions

Conversions Part 1

Format	Color
Hex	C3C79D
RGB	195, 199, 157
RGB Percent	76%, 78%, 62%
CMY	0.2353, 0.2196, 0.3843
CMYK	0.02, 0.00, 0.21, 0.22
HSL	66°, 27%, 70%
HSV	66°, 21%, 78%
XYZ	49.0149, 54.8833, 39.9085
YIQ	193.0160, 11.0980, -13.9100

Conversions

Conversions Part 2

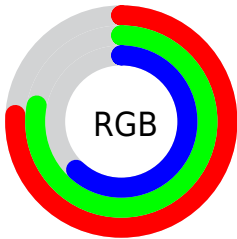
Format	Color
RYB	157, 199, 161
Decimal	12830621
CIELab	78.97, -8.41, 20.62
CIELCh	79, 22.268, 112.195
Yxy	54.8833, 0.3408, 0.3816
Android (android.graphics.Color)	4291020701 (0xFFC3C79D)
YUV	193.0160, -17.7559, 1.7400
Hunter-Lab	74.0833, -11.5467, 19.9189

Details

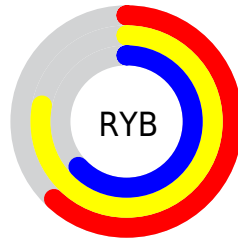
The XYZ color **49.0149, 54.8833, 39.9085** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.0659, 35.8161, 58.9955**, and the grayscale version is **50.7957, 53.4410, 58.1973**.

A 20% lighter version of the original color is **87.7885, 96.9689, 76.3773**, and **23.6597, 26.9334, 17.3163** is the 20% darker color. If you saturate the color by 10%, you get **46.9658, 54.0092, 31.6545**, and if you desaturate by 10%, it is **51.3499, 55.8761, 49.6227**.

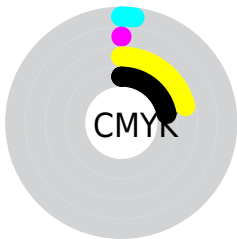
Distribution



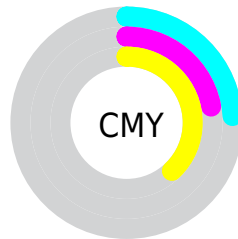
- Red (76%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (63%)



- Cyan (2%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)





- Cyan (24%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0149, 54.8833, 39.9085 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 49.0149, 54.8833, 39.9085 by changing the saturation by 10% instead.


 49.0149, 54.8833,
39.9085


 49.0149, 54.8833,
39.9085


373.3170,
405.4694, 361.2784

 34.8459, 39.3083,
27.1540


 87.9142, 97.3700,
76.2597

 23.7101, 26.9996,
17.4554


 113.3751,
125.0504, 100.6935

 15.2423, 17.5730,
10.3944


143.3308,
157.5348, 129.8574

 9.0770, 10.6438,
5.5522

178.1465,
195.2075, 164.1701

 4.8490, 5.8279,
2.5104

218.1876,
238.4529, 204.0499

 2.1928, 2.7407,
0.8457

263.8195,

 0.7389, 0.9979,

287.6554, 249.9156

0.0000

315.4075,
343.1995, 302.1855

■ 0.0000, 0.0000,
0.0000

■ 49.0149, 54.8833,
39.9085

■ 49.0149, 54.8833,
39.9085

■ 46.9658, 54.0092,
31.6545

■ 51.3499, 55.8761,
49.6227

■ 45.1849, 53.2413,
24.7867

■ 53.9789, 56.9855,
60.8593

■ 43.6591, 52.5762,
19.2299

■ 56.9152, 58.2184,
73.6810

■ 42.3725, 52.0074,
14.9006

■ 60.1699, 59.5795,
88.1463

■ 41.3074, 51.5279,
11.7053

■ 63.5102, 60.9755,
103.0298

■ 40.4434, 51.1296,
9.5374

■ 64.0351, 61.2461,
103.0544

■ 39.7564, 50.8028,
8.2699

■ 64.5664, 61.5200,
103.0793

■ 39.2543, 50.5563,
7.6894

■ 65.1040, 61.7972,
103.1044

■ 65.6481, 62.0776,
103.1299

Harmonies

Analogous

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



53.3296, 54.8833, 38.7131



49.0149, 54.8833, 39.9085



45.7241, 54.8833, 46.0256

Triad

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



49.0149, 54.8833, 39.9085



47.1189, 54.8833, 81.1644



61.0613, 54.8833, 63.1310

Complementary

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



49.0149, 54.8833, 39.9085



37.0659, 35.8161, 58.9955

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.



59.1839, 54.8833, 75.9830



49.0149, 54.8833, 39.9085



51.0174, 54.8833, 87.3124

Square

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



49.0149, 54.8833, 39.9085



44.6734, 54.8833, 69.4492



55.4471, 54.8833, 85.2931



60.4504, 54.8833, 51.0142

Rectangle

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



49.0149, 54.8833, 39.9085



44.4726, 54.8833, 52.6094



55.4471, 54.8833, 85.2931



60.6967, 54.8833, 67.5277

Sweetspot

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



49.0163, 54.8857, 39.9097



92.1490, 98.7778, 96.4139



42.2985, 39.8932, 37.3699



19.6586, 21.1151, 20.3587



0.0000, 0.0000, 0.0000



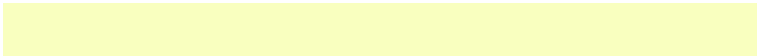
20.3446, 21.4041, 23.3091

Same Dimension

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



49.0163, 54.8857, 39.9097



84.2306, 95.4180, 63.4127



44.0784, 52.3402, 39.6786



11.4204, 12.3636, 11.3473



25.2805, 32.5279, 4.9461



1.2267, 1.5555, 0.2356

Inverse Universe

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



37.0659, 35.8161, 58.9955



59.8473, 56.5054, 102.3601



41.5411, 38.1231, 59.2050



10.1489, 10.3350, 13.3774



6.8350, 2.7578, 34.9164



0.3565, 0.1475, 1.6548

Previews

White Background



This preview shows how the XYZ color 49.0149, 54.8833, 39.9085 looks on a white background.

Color Contrast Check

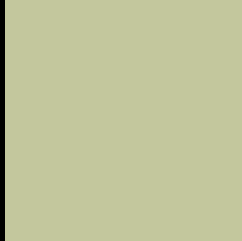
Large Text (above 18pt) WCAG AA × Fail

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 49.0149, 54.8833, 39.9085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

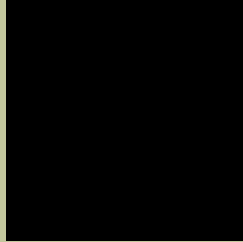
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

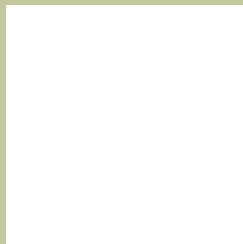
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0149, 54.8833, 39.9085

Background



This preview shows how black text looks on a background with the XYZ color 49.0149, 54.8833, 39.9085.



This preview shows how white text looks on a background with the XYZ color 49.0149, 54.8833,

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

49.0149, 54.8833, 39.9085

Protanopia

51.4439, 54.8067, 38.8777

Deuteranopia

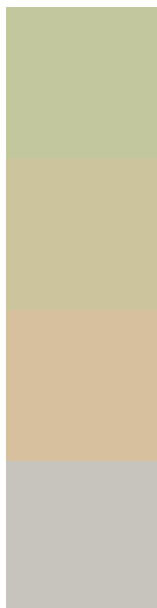
55.9198, 54.8005, 40.4312



Tritanopia

54.4692, 54.7608, 66.7305

Trichromacy



Original Color

49.0149, 54.8833, 39.9085

Protanomaly

50.3693, 54.5767, 39.3321

Deuteranomaly

53.0455, 54.6150, 40.0937

Tritanomaly

52.2536, 54.8465, 55.9765

Monochromacy



Original Color

49.0149, 54.8833, 39.9085

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.0015, 53.7948, 50.9281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0149, 54.8833, 39.9085 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(195, 199, 157)` looks like.

```
.text, #text, p{  
    color:rgb(195, 199, 157)  
}
```

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(195, 199, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 199, 157) }
```

Border

The CSS property to change the border of an element to XYZ 49.0149, 54.8833, 39.9085 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(195, 199, 157) }
```


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

```
.border{ border-color:rgb(195, 199, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 199, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 199, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 199, 157);  
box-shadow:4px 4px 4px 4px rgb(195, 199,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0149, 54.8833, 39.9085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 199, 157) }
```

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

```
.background{ background-color: rgb(195,  
199, 157) }
```

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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