

Converting Colors

XYZ(40.0118, 49.6966, 39.8812)

Have a look what the booklet for
XYZ(40.0118, 49.6966, 39.8812)
contains.

XYZ(39.8481, 49.4690, 39.7960)	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(39.8481, 49.4690,
39.7960)**

Conversions

Conversions Part 1

Format	Color
Hex	9CC59E
RGB	156, 197, 158
RGB Percent	61%, 77%, 62%
CMY	0.3882, 0.2274, 0.3804
CMYK	0.21, 0.00, 0.20, 0.23
HSL	123°, 26%, 69%
HSV	123°, 21%, 77%
XYZ	39.8481, 49.4690, 39.7960
YIQ	180.2950, -11.9170, -20.8210

Conversions

Conversions Part 2

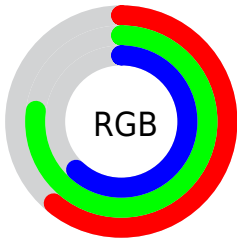
Format	Color
RYB	156, 195, 197
Decimal	10274206
CIELab	75.74, -21.22, 15.18
CIElCh	76, 26.092, 144.422
Yxy	49.4690, 0.3086, 0.3831
Android (android.graphics.Color)	4288464286 (0xFF9CC59E)
YUV	180.2950, -10.9914, -21.3067
Hunter-Lab	70.3342, -21.9550, 15.6869

Details

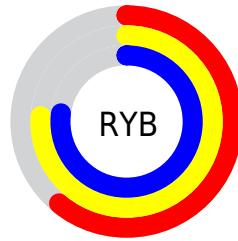
The XYZ color **39.8481, 49.4690, 39.7960** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.7665, 39.5885, 56.9138**, and the grayscale version is **43.6038, 45.8746, 49.9574**.

A 20% lighter version of the original color is **74.3160, 89.5366, 76.3162**, and **18.1852, 23.6495, 17.5163** is the 20% darker color. If you saturate the color by 10%, you get **34.8489, 47.0656, 31.7746**, and if you desaturate by 10%, it is **45.7143, 52.2937, 49.1440**.

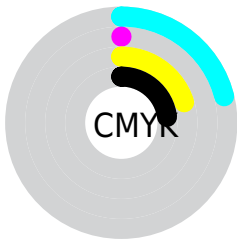
Distribution



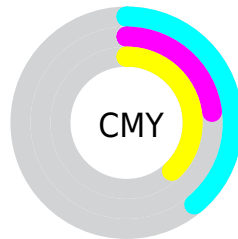
- Red (61%)
- Green (77%)
- Blue (62%)



- Red (61%)
- Yellow (76%)
- Blue (77%)



- Cyan (21%)
- Magenta (0%)
- Yellow (20%)
- Black (23%)





- Cyan (39%)
- Magenta (23%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8481, 49.4690, 39.7960 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 39.8481, 49.4690, 39.7960 by changing the saturation by 10% instead.


 39.8481, 49.4690,
39.7960


 39.8481, 49.4690,
39.7960


336.6283,
384.5858, 360.7895

 27.6038, 34.9917,
27.0669


 74.2180, 89.3876,
76.0865

 18.1661, 23.6565,
17.3906


 97.0742, 115.5977,
100.4849

 11.1697, 15.0790,
10.3485

124.1986,
146.4875, 129.6103

 6.2493, 8.8748,
5.5220

155.9563,
182.4414, 163.8811

 3.0393, 4.6596,
2.4926

192.7128,
223.8437, 203.7159

 1.1746, 2.0490,
0.8363

234.8334,

 0.0862, 0.6357,

271.0790, 249.5332

0.0000

282.6834,
324.5315, 301.7515

■ 0.0000, 0.0000,
0.0000

■ 39.8481, 49.4690,
39.7960

■ 39.8481, 49.4690,
39.7960

■ 34.8489, 47.0656,
31.7746

■ 45.7143, 52.2937,
49.1440

■ 30.6717, 45.0575,
25.0166

■ 52.4816, 55.5520,
59.8714

■ 27.2739, 43.4253,
19.4587

■ 60.1873, 59.2632,
72.0321

■ 24.6069, 42.1457,
15.0307

■ 68.8652, 63.4438,
85.6762

■ 22.6173, 41.1926,
11.6551

■ 78.5475, 68.1094,
100.8513

■ 21.2437, 40.5365,
9.2448

■ 79.2572, 68.4144,
103.6357

■ 20.4143, 40.1423,
7.6987

■ 20.0198, 39.9554,
6.9330

Harmonies

Analogous

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



43.2748, 49.4690, 33.0562



39.8481, 49.4690, 39.7960



38.3508, 49.4690, 51.3137

Triad

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



39.8481, 49.4690, 39.7960



46.1199, 49.4690, 84.9854



56.0124, 49.4690, 43.5774

Complementary

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



39.8481, 49.4690, 39.7960



44.7665, 39.5885, 56.9138

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.



56.9034, 49.4690, 56.4960



39.8481, 49.4690, 39.7960



50.9728, 49.4690, 81.9608

Square

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



39.8481, 49.4690, 39.7960



41.8090, 49.4690, 78.5808



55.0019, 49.4690, 70.9073



52.6443, 49.4690, 34.9628

Rectangle

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



39.8481, 49.4690, 39.7960



38.5687, 49.4690, 60.7784



55.0019, 49.4690, 70.9073



56.6208, 49.4690, 47.4937

Sweetspot

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



39.8494, 49.4711, 39.7971



87.3880, 96.3106, 96.7702



48.6388, 54.0219, 39.3168



18.5341, 20.5323, 20.4423



0.0000, 0.0000, 0.0000



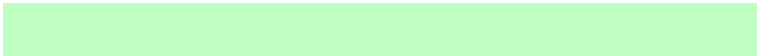
20.3446, 21.4041, 23.3091

Same Dimension

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



39.8494, 49.4711, 39.7971



67.0869, 86.5401, 64.4194



41.7005, 50.2115, 49.5447



10.5181, 11.8961, 11.4125



13.1764, 26.2829, 4.6073



0.6314, 1.2475, 0.2575

Inverse Universe

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



44.7665, 39.5885, 56.9138



77.4786, 65.6520, 100.5924



42.6669, 38.7487, 45.8579



11.0599, 10.8073, 13.2987



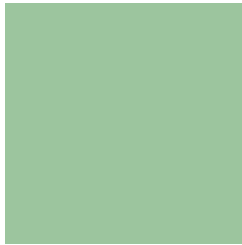
21.0816, 10.1822, 31.9694



1.0053, 0.4849, 1.5508

Previews

White Background



This preview shows how the XYZ color 39.8481, 49.4690, 39.7960 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 39.8481, 49.4690, 39.7960 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

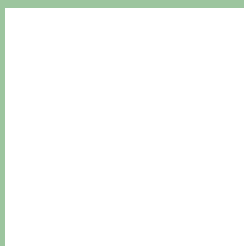
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8481, 49.4690, 39.7960

Background



This preview shows how black text looks on a background with the XYZ color 39.8481, 49.4690, 39.7960.



This preview shows how white text looks on a background with the XYZ color 39.8481, 49.4690,

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

39.8481, 49.4690, 39.7960

Protanopia

46.3346, 49.2880, 37.2084

Deuteranopia

50.0823, 48.9950, 40.9998



Tritanopia

44.8639, 49.1757, 65.5198

Trichromacy



Original Color

39.8481, 49.4690, 39.7960

Protanomaly

43.6213, 49.1386, 38.1959

Deuteranomaly

45.7302, 48.8975, 40.7461

Tritanomaly

42.9532, 49.3911, 55.4137

Monochromacy



Original Color

39.8481, 49.4690, 39.7960

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.7999, 46.7543, 45.8511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8481, 49.4690, 39.7960 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(156, 197, 158)` looks like.

```
.text, #text, p{  
    color:rgb(156, 197, 158)  
}
```

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(156, 197, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 197, 158) }
```

Border

The CSS property to change the border of an element to XYZ 39.8481, 49.4690, 39.7960 is called "border". The border property can be set on classes, ids or directly on the HTML element.

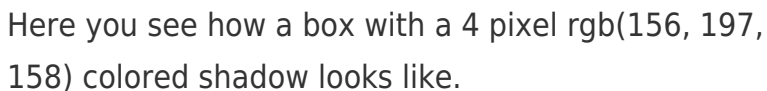
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 197, 158) }
```


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

```
.border{ border-color:rgb(156, 197, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 197, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 197, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 197, 158); box-shadow:4px 4px 4px 4px rgb(156, 197, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8481, 49.4690, 39.7960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 197, 158) }
```

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

```
.background{ background-color: rgb(156,  
197, 158) }
```

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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