

# Converting Colors

XYZ(39.9346, 49.5036, 40.2513)

Have a look what the booklet for  
XYZ(39.9346, 49.5036, 40.2513)  
contains.

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# Color

**XYZ(39.9346, 49.5036,  
40.2513)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CC59F
RGB	156, 197, 159
RGB Percent	61%, 77%, 62%
CMY	0.3882, 0.2274, 0.3765
CMYK	0.21, 0.00, 0.19, 0.23
HSL	124°, 26%, 69%
HSV	124°, 21%, 77%
XYZ	39.9346, 49.5036, 40.2513
YIQ	180.4090, -12.2380, -20.5100

# Conversions

## Conversions Part 2

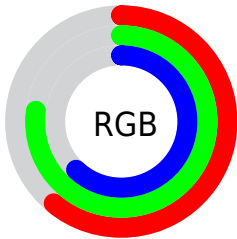
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 194, 197
Decimal	10274207
CIELab	75.76, -21.04, 14.67
CIELCh	76, 25.654, 145.110
Yxy	49.5036, 0.3079, 0.3817
Android (android.graphics.Color)	4288464287 (0xFF9CC59F)
YUV	180.4090, -10.5546, -21.4067
Hunter-Lab	70.3588, -21.8140, 15.3322

# Details

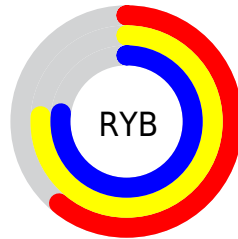
The XYZ color **39.9346, 49.5036, 40.2513** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.6538, 39.5435, 56.3203**, and the grayscale version is **43.6631, 45.9370, 50.0253**.

A 20% lighter version of the original color is **74.4434, 89.5875, 76.9869**, and **18.1852, 23.6495, 17.5163** is the 20% darker color. If you saturate the color by 10%, you get **34.9581, 47.1093, 32.3496**, and if you desaturate by 10%, it is **45.7662, 52.3145, 49.4169**.

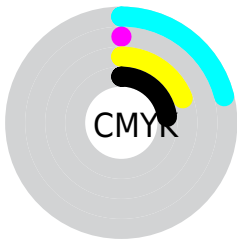
# Distribution



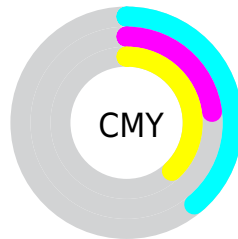
- Red (61%)
- Green (77%)
- Blue (62%)



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



- Cyan (21%)
- Magenta (0%)
- Yellow (19%)
- Black (23%)




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9346, 49.5036, 40.2513 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 39.9346, 49.5036, 40.2513 by changing the saturation by 10% instead.





 39.9346, 49.5036,  
40.2513


 39.9346, 49.5036,  
40.2513


336.9870,  
384.7215, 362.7652

 27.6715, 35.0191,  
27.4193

 74.3489, 89.4390,  
76.7873

 18.2174, 23.6776,  
17.6531


 97.2308, 115.6586,  
101.3283

 11.2068, 15.0946,  
10.5344


124.3831,  
146.5588, 130.6095

 6.2744, 8.8858,  
5.6445

156.1711,  
182.5239, 165.0492

 3.0549, 4.6668,  
2.5649

192.9601,  
223.9384, 205.0661

 1.1829, 2.0531,  
0.8742

235.1155,

 0.0928, 0.6381,

271.1865, 251.0787

0.0000

283.0027,  
324.6528, 303.5055

■ 0.0000, 0.0000,  
0.0000

■ 39.9346, 49.5036,  
40.2513

■ 39.9346, 49.5036,  
40.2513

■ 34.9581, 47.1093,  
32.3496

■ 45.7662, 52.3145,  
49.4169

■ 30.7927, 45.1058,  
25.6533

■ 52.4861, 55.5538,  
59.8949

■ 27.3965, 43.4743,  
20.1042

■ 60.1310, 59.2407,  
71.7354

■ 24.7223, 42.1918,  
15.6378

■ 68.7339, 63.3913,  
84.9847

■ 22.7176, 41.2328,  
12.1835

■ 78.3266, 68.0210,  
99.6872

■ 21.3230, 40.5682,  
9.6622

■ 79.2572, 68.4144,  
103.6357

■ 20.4683, 40.1639,  
7.9831

■ 20.0493, 39.9672,  
7.0881

# Harmonies

## Analogous

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



43.2726, 49.5036, 33.4745



39.9346, 49.5036, 40.2513



38.5067, 49.5036, 51.6967

# Triad

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



39.9346, 49.5036, 40.2513



46.2756, 49.5036, 84.4730



55.8380, 49.5036, 43.5226

# Complementary

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



39.9346, 49.5036, 40.2513



44.6538, 39.5435, 56.3203

# 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.



56.7757, 49.5036, 56.1671



39.9346, 49.5036, 40.2513



51.0446, 49.5036, 81.2992

# Square

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



39.9346, 49.5036, 40.2513



42.0068, 49.5036, 78.3949



54.9678, 49.5036, 70.3327



52.4851, 49.5036, 35.1279



# Rectangle

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



39.9346, 49.5036, 40.2513



38.7550, 49.5036, 61.0287



54.9678, 49.5036, 70.3327



56.4553, 49.5036, 47.3511

# Sweetspot

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



39.9359, 49.5057, 40.2524



87.4436, 96.3329, 97.0632



48.2857, 53.8399, 39.3003



18.5471, 20.5376, 20.5113



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

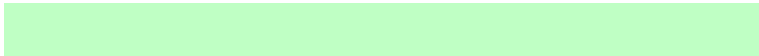


# Same Dimension

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



39.9359, 49.5057, 40.2524



67.2629, 86.6105, 65.3461



41.8384, 50.2667, 50.2706



10.5284, 11.9003, 11.4669



13.1987, 26.2919, 4.7252



0.6361, 1.2494, 0.2826



# Inverse Universe

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



44.6538, 39.5435, 56.3203



77.2333, 65.5539, 99.3008



42.5332, 38.6953, 45.1538



11.0483, 10.8027, 13.2377



20.7521, 10.0504, 30.2343

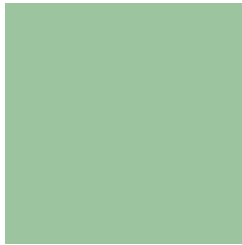


0.9929, 0.4800, 1.4856



# Previews

## White Background



This preview shows how the XYZ color 39.9346, 49.5036, 40.2513 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

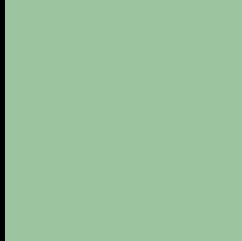
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.9346, 49.5036, 40.2513 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

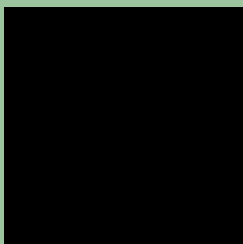
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.9346, 49.5036, 40.2513**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.9346, 49.5036, 40.2513.



This preview shows how white text looks on a background with the XYZ color 39.9346, 49.5036,



# 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

39.9346, 49.5036, 40.2513

### Protanopia

46.4176, 49.3212, 37.6453

### Deuteranopia

50.1715, 49.0307, 41.4699



## Tritanopia

45.0812, 49.6103, 65.5922

# Trichromacy



## Original Color

39.9346, 49.5036, 40.2513

## Protanomaly

43.7056, 49.1723, 38.6402

## Deuteranomaly

45.8187, 48.9329, 41.2125

## Tritanomaly

42.9532, 49.3911, 55.4137

# Monochromacy



## Original Color

39.9346, 49.5036, 40.2513

## 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 39.9346, 49.5036, 40.2513 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(156, 197, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 197, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 39.9346, 49.5036, 40.2513 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, 159) }
```



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

```
.border{ border-color:rgb(156, 197, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 197, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 197, 159);  
box-shadow:4px 4px 4px 4px rgb(156, 197,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.9346, 49.5036, 40.2513 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, 159) }
```

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

```
.background{ background-color: rgb(156,  
197, 159) }
```

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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