

Converting Colors

XYZ(39.9313, 50.0195, 37.9326)

Have a look what the booklet for
XYZ(39.9313, 50.0195, 37.9326)
contains.

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Color

**XYZ(39.9314, 49.8894,
38.0968)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC69A
RGB	157, 198, 154
RGB Percent	62%, 78%, 60%
CMY	0.3843, 0.2235, 0.3961
CMYK	0.21, 0.00, 0.22, 0.22
HSL	116°, 28%, 69%
HSV	116°, 22%, 78%
XYZ	39.9314, 49.8894, 38.0968
YIQ	180.7250, -10.3120, -22.3760

Conversions

Conversions Part 2

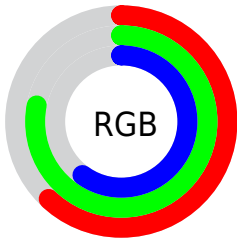
Format	Color
RYB	154, 198, 195
Decimal	10339994
CIELab	76.00, -22.08, 17.69
CIELCh	76, 28.292, 141.292
Yxy	49.8894, 0.3122, 0.3900
Android (android.graphics.Color)	4288530074 (0xFF9DC69A)
YUV	180.7250, -13.1754, -20.8068
Hunter-Lab	70.6324, -22.6934, 17.4636

Details

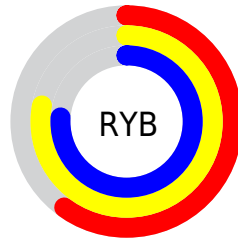
The XYZ color **39.9314, 49.8894, 38.0968** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.2565, 38.7920, 58.5838**, and the grayscale version is **43.8464, 46.1298, 50.2354**.

A 20% lighter version of the original color is **74.4200, 90.1205, 73.7942**, and **18.2471, 23.9290, 16.4890** is the 20% darker color. If you saturate the color by 10%, you get **35.0846, 47.5673, 29.9601**, and if you desaturate by 10%, it is **45.5965, 52.6048, 47.6938**.

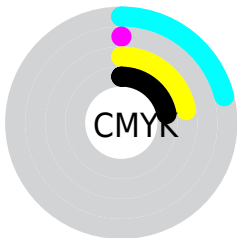
Distribution



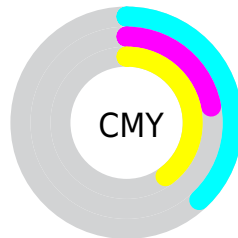
- Red (62%)
- Green (78%)
- Blue (60%)



- Red (60%)
- Yellow (78%)
- Blue (76%)



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



- Cyan (38%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9314, 49.8894, 38.0968 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 39.9314, 49.8894, 38.0968 by changing the saturation by 10% instead.


 39.9314, 49.8894,
38.0968


 39.9314, 49.8894,
38.0968


336.9737,
386.2333, 353.3457

 27.6690, 35.3255,
25.7554


 74.3440, 90.0110,
73.4616

 18.2155, 23.9137,
16.4166

 97.2250, 116.3375,
97.3220

 11.2054, 15.2696,
9.6619


124.3763,
147.3537, 125.8592

 6.2735, 9.0088,
5.0727

156.1631,
183.4439, 159.4917

 3.0543, 4.7470,
2.2305

192.9509,
224.9926, 198.6381

 1.1826, 2.0996,
0.6919

235.1051,

 0.0925, 0.6644,

272.3841, 243.7168

0.0000

282.9909,
326.0029, 295.1465

0.0000, 0.0000,
0.0000

39.9314, 49.8894,
38.0968

39.9314, 49.8894,
38.0968

35.0846, 47.5673,
29.9601

45.5965, 52.6048,
47.6938

31.0147, 45.6144,
23.2092

52.1112, 55.7239,
58.8144

27.6822, 44.0134,
17.7679

59.5100, 59.2644,
71.5219

25.0429, 42.7434,
13.5512

67.8241, 63.2414,
85.8753

23.0479, 41.7812,
10.4642

77.0834, 67.6690,
101.9304

■ 21.6415, 41.1005,
8.3982

■ 79.4851, 68.8702,
103.7117

■ 20.7588, 40.6705,
7.2231

■ 20.3685, 40.4796,
6.7398

Harmonies

Analogous

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



43.8277, 49.8894, 31.4905



39.9314, 49.8894, 38.0968



38.0772, 49.8894, 50.0385

Triad

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



39.9314, 49.8894, 38.0968



45.8984, 49.8894, 88.4149



57.5171, 49.8894, 44.4353

Complementary

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



39.9314, 49.8894, 38.0968



44.2565, 38.7920, 58.5838

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.



58.1744, 49.8894, 58.8413



39.9314, 49.8894, 38.0968



51.2000, 49.8894, 86.1527

Square

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



39.9314, 49.8894, 38.0968



41.3507, 49.8894, 80.3058



55.7872, 49.8894, 74.5999



54.0523, 49.8894, 34.6500

Rectangle

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



39.9314, 49.8894, 38.0968



38.1460, 49.8894, 60.2137



55.7872, 49.8894, 74.5999



58.0834, 49.8894, 48.8260

Sweetspot

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



39.9327, 49.8915, 38.0979



86.4511, 95.8839, 94.1867



48.4898, 53.0735, 38.2611



18.3532, 20.4509, 19.9023



0.0000, 0.0000, 0.0000



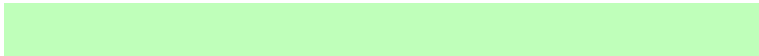
20.3446, 21.4041, 23.3091

Same Dimension

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



39.9327, 49.8915, 38.0979



66.0851, 86.1275, 59.6792



41.0006, 50.2519, 46.7378



10.5633, 11.9218, 11.3072



13.2724, 26.3375, 4.3841



0.6523, 1.2594, 0.2087

Inverse Universe

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



44.2565, 38.7920, 58.5838



75.1752, 62.7819, 102.7637



43.0504, 38.4000, 48.1469



11.0090, 10.7784, 13.4177



19.5921, 9.3344, 35.5135



0.9496, 0.4533, 1.6826

Previews

White Background



This preview shows how the XYZ color 39.9314, 49.8894, 38.0968 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 39.9314, 49.8894, 38.0968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

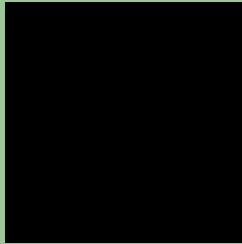
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9314, 49.8894, 38.0968

Background



This preview shows how black text looks on a background with the XYZ color 39.9314, 49.8894, 38.0968.



This preview shows how white text looks on a background with the XYZ color 39.9314, 49.8894,

38.0968.

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

39.9314, 49.8894, 38.0968

Protanopia

46.7483, 49.8527, 35.5924

Deuteranopia

50.5171, 49.5582, 39.2509



Tritanopia

45.4973, 49.8248, 65.6117

Trichromacy



Original Color

39.9314, 49.8894, 38.0968

Protanomaly

43.9839, 49.6863, 36.5504

Deuteranomaly

46.1043, 49.4443, 39.0120

Tritanomaly

43.3657, 49.9580, 54.3709

Monochromacy



Original Color

39.9314, 49.8894, 38.0968

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.1343, 47.2516, 45.4278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9314, 49.8894, 38.0968 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(157, 198, 154)` looks like.

```
.text, #text, p{  
    color:rgb(157, 198, 154)  
}
```

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(157, 198, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 198, 154) }
```

Border

The CSS property to change the border of an element to XYZ 39.9314, 49.8894, 38.0968 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(157, 198, 154) }
```


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

```
.border{ border-color:rgb(157, 198, 154) }
```

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

Here you see how a box with a 4 pixel rgb(157, 198, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 198, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 198, 154);  
box-shadow:4px 4px 4px 4px rgb(157, 198,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9314, 49.8894, 38.0968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 198, 154) }
```

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

```
.background{ background-color: rgb(157,  
198, 154) }
```

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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