

Converting Colors

XYZ(39.9925, 49.3187, 40.1760)

Have a look what the booklet for
XYZ(39.9925, 49.3187, 40.1760)
contains.

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Color

**XYZ(39.9026, 49.1512,
40.1849)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC49F
RGB	157, 196, 159
RGB Percent	62%, 77%, 62%
CMY	0.3843, 0.2314, 0.3765
CMYK	0.20, 0.00, 0.19, 0.23
HSL	123°, 25%, 69%
HSV	123°, 20%, 77%
XYZ	39.9026, 49.1512, 40.1849
YIQ	180.1210, -11.3670, -19.7750

Conversions

Conversions Part 2

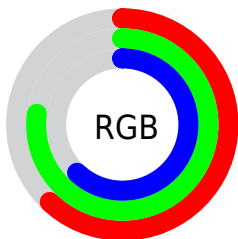
Format	Color
RYB	157, 194, 196
Decimal	10339487
CIELab	75.55, -20.20, 14.38
CIElCh	76, 24.795, 144.562
Yxy	49.1512, 0.3088, 0.3803
Android (android.graphics.Color)	4288529567 (0xFF9DC49F)
YUV	180.1210, -10.4127, -20.2771
Hunter-Lab	70.1079, -21.0939, 15.0913

Details

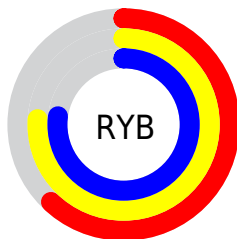
The XYZ color **39.9026, 49.1512, 40.1849** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.5613, 39.7459, 56.3644**, and the grayscale version is **43.5071, 45.7728, 49.8466**.

A 20% lighter version of the original color is **74.4143, 89.1026, 76.8948**, and **18.1525, 23.4108, 17.4719** is the 20% darker color. If you saturate the color by 10%, you get **34.8869, 46.7396, 32.1513**, and if you desaturate by 10%, it is **45.7772, 51.9804, 49.5280**.

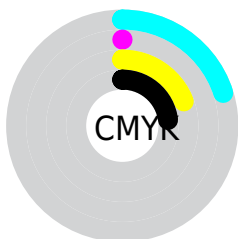
Distribution



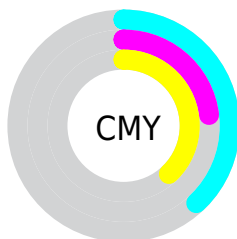
- Red (62%)
- Green (77%)
- Blue (62%)



- Red (62%)
- Yellow (76%)
- Blue (77%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (23%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9026, 49.1512, 40.1849 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 39.9026, 49.1512, 40.1849 by changing the saturation by 10% instead.

■ 39.9026, 49.1512,
40.1849

■ 39.9026, 49.1512,
40.1849

336.8543,
383.3373, 362.4775

■ 27.6465, 34.7394,
27.3679

■ 74.3005, 88.9160,
76.6852

■ 18.1984, 23.4622,
17.6148

■ 97.1729, 115.0378,
101.2054

■ 11.1931, 14.9352,
10.5072

124.3148,
145.8317, 130.4639

■ 6.2651, 8.7739,
5.6266

156.0916,
181.6822, 164.8791

■ 3.0491, 4.5940,
2.5543

192.8686,
222.9736, 204.8695

■ 1.1798, 2.0111,
0.8687

235.0112,

■ 0.0903, 0.6139,

270.0903, 250.8536

0.0000

282.8846,
323.4167, 303.2501

■ 0.0000, 0.0000,
0.0000

■ 39.9026, 49.1512,
40.1849

■ 39.9026, 49.1512,
40.1849

■ 34.8869, 46.7396,
32.1513

■ 45.7772, 51.9804,
49.5280

■ 30.6862, 44.7199,
25.3655

■ 52.5441, 55.2390,
60.2320

■ 27.2586, 43.0732,
19.7662

■ 60.2399, 58.9460,
72.3494

■ 24.5568, 41.7768,
15.2850

■ 68.8977, 63.1177,
85.9291

■ 22.5286, 40.8052,
11.8470

■ 78.5480, 67.7687,
101.0175

■ 21.1146, 40.1297,
9.3680

■ 79.0309, 67.9618,
103.5603

■ 20.2450, 39.7163,
7.7507

■ 19.7995, 39.5055,
6.8758

■ 19.7960, 39.5038,
6.8703

Harmonies

Analogous

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



43.1507, 49.1512, 33.6994



39.9026, 49.1512, 40.1849



38.4867, 49.1512, 51.1626

Triad

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



39.9026, 49.1512, 40.1849



45.8871, 49.1512, 82.7568



55.1930, 49.1512, 43.7028

Complementary

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



39.9026, 49.1512, 40.1849



44.5613, 39.7459, 56.3644

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.



56.0437, 49.1512, 55.9432



39.9026, 49.1512, 40.1849



50.4740, 49.1512, 79.8903

Square

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



39.9026, 49.1512, 40.1849



41.7942, 49.1512, 76.8089



54.2656, 49.1512, 69.5138



52.0113, 49.1512, 35.4859

Rectangle

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



39.9026, 49.1512, 40.1849



38.7009, 49.1512, 60.1126



54.2656, 49.1512, 69.5138



55.7694, 49.1512, 47.4229

Sweetspot

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



39.9039, 49.1533, 40.1860



87.3937, 96.3129, 96.8002



48.0889, 53.3927, 39.6701



18.5354, 20.5329, 20.4494



0.0000, 0.0000, 0.0000



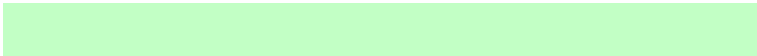
20.3446, 21.4041, 23.3091

Same Dimension

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



39.9039, 49.1533, 40.1860



68.0279, 86.9913, 65.9921



41.7272, 49.8826, 49.7874



9.9649, 11.2670, 10.8185



12.7289, 25.3856, 4.4656



0.5573, 1.0998, 0.2317

Inverse Universe

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



44.5613, 39.7459, 56.3644



78.0360, 66.7741, 100.7560



42.5172, 38.9283, 45.6005



10.4743, 10.2383, 12.5880



20.3287, 9.8212, 30.7067



0.8853, 0.4271, 1.3634

Previews

White Background



This preview shows how the XYZ color 39.9026, 49.1512, 40.1849 looks on a white background.

Color Contrast Check

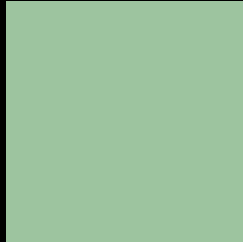
Large Text (above 18pt) WCAG AA × Fail

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 39.9026, 49.1512, 40.1849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

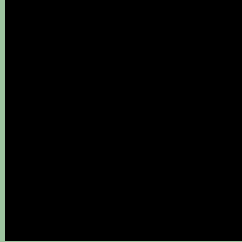
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9026, 49.1512, 40.1849

Background



This preview shows how black text looks on a background with the XYZ color 39.9026, 49.1512, 40.1849.



This preview shows how white text looks on a background with the XYZ color 39.9026, 49.1512,

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

39.9026, 49.1512, 40.1849

Protanopia

45.9466, 48.7668, 37.5631

Deuteranopia

49.8823, 48.8816, 41.4563



Tritanopia

44.9500, 49.2340, 64.8916

Trichromacy



Original Color

39.9026, 49.1512, 40.1849

Protanomaly

43.4898, 48.7406, 38.5682

Deuteranomaly

45.6088, 48.5130, 41.1425

Tritanomaly

42.8270, 49.0115, 54.7799

Monochromacy



Original Color

39.9026, 49.1512, 40.1849

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.0186, 46.8670, 45.8614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9026, 49.1512, 40.1849 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, 196, 159)` looks like.

```
.text, #text, p{  
    color:rgb(157, 196, 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(157, 196, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 196, 159) }
```

Border

The CSS property to change the border of an element to XYZ 39.9026, 49.1512, 40.1849 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, 196, 159) }
```


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

```
.border{ border-color:rgb(157, 196, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 196, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 196, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 196, 159);  
box-shadow:4px 4px 4px 4px rgb(157, 196,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9026, 49.1512, 40.1849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 196, 159) }
```

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

```
.background{ background-color: rgb(157,  
196, 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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