

Converting Colors

XYZ(31.4917, 39.8707, 19.4280)

Have a look what the booklet for
XYZ(31.4917, 39.8707, 19.4280)
contains.

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Color

**XYZ(31.4324, 39.8394,
19.3977)**

Conversions

Conversions Part 1

Format	Color
Hex	97B369
RGB	151, 179, 105
RGB Percent	59%, 70%, 41%
CMY	0.4078, 0.2980, 0.5882
CMYK	0.16, 0.00, 0.41, 0.30
HSL	83°, 33%, 56%
HSV	83°, 41%, 70%
XYZ	31.4324, 39.8394, 19.3977
YIQ	162.1920, 7.0660, -28.9500

Conversions

Conversions Part 2

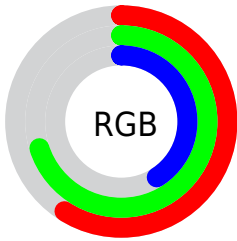
Format	Color
RYB	105, 179, 133
Decimal	9941865
CIELab	69.35, -22.14, 34.63
CIELCh	69, 41.102, 122.597
Yxy	39.8394, 0.3467, 0.4394
Android (android.graphics.Color)	4288131945 (0xFF97B369)
YUV	162.1920, -28.1957, -9.8154
Hunter-Lab	63.1185, -21.5660, 25.9618

Details

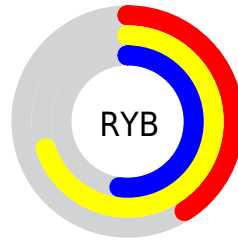
The XYZ color **31.4324, 39.8394, 19.3977** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **22.8627, 18.3454, 44.9860**, and the grayscale version is **34.5593, 36.3591, 39.5950**.

A 20% lighter version of the original color is **61.2477, 74.9728, 43.1414**, and **13.3203, 17.8599, 6.4866** is the 20% darker color. If you saturate the color by 10%, you get **29.3866, 38.8813, 14.9946**, and if you desaturate by 10%, it is **33.7461, 40.9157, 24.8258**.

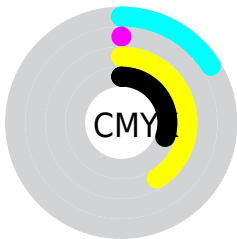
Distribution



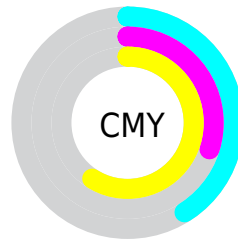
- Red (59%)
- Green (70%)
- Blue (41%)



- Red (41%)
- Yellow (70%)
- Blue (52%)



- Cyan (16%)
- Magenta (0%)
- Yellow (41%)
- Black (30%)





- Cyan (41%)
- Magenta (30%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4324, 39.8394, 19.3977 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 31.4324, 39.8394, 19.3977 by changing the saturation by 10% instead.


 31.4324, 39.8394,
19.3977


 31.4324, 39.8394,
19.3977


300.3169,
345.4462, 261.1311

 21.0818, 27.4133,
11.7783


 61.2914, 74.9189,
43.2507


 13.2966, 17.8839,
6.4722


 81.5305, 98.3411,
60.3213

 7.7115, 10.8667,
3.0609


 105.7965,
126.1975, 81.3794

 3.9611, 5.9772,
1.1258

 134.4547,
158.8725, 106.8435

 1.6802, 2.8312,
0.0000

167.8705,
196.7505, 137.1322

 0.4438, 1.0443,
0.0000

206.4092,

 0.0000, 0.0000,

240.2158, 172.6640

0.0000

250.4362,
289.6529, 213.8575

■ 31.4324, 39.8394,
19.3977

■ 31.4324, 39.8394,
19.3977

■ 29.3866, 38.8813,
14.9946

■ 33.7461, 40.9157,
24.8258

■ 27.5922, 38.0307,
11.5494

■ 36.3372, 42.1100,
31.3353

■ 26.0355, 37.2832,
8.9910


■ 39.2180, 43.4289,
38.9817


■ 24.6995, 36.6319,
7.2373


■ 42.3994, 44.8767,
47.8156


■ 23.5645, 36.0688,
6.1908


■ 45.8914, 46.4577,
57.8848

 22.7099, 35.6386,
5.6820

 49.7038, 48.1758,
69.2344

 53.8456, 50.0347,
81.9073

 58.3257, 52.0383,
95.9444

 61.3123, 53.4537,
101.6938

Harmonies

Analogous

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



37.2939, 39.8394, 16.2581



31.4324, 39.8394, 19.3977



27.6798, 39.8394, 28.7086

Triad

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



31.4324, 39.8394, 19.3977



32.3205, 39.8394, 84.3080



52.0115, 39.8394, 41.7520

Complementary

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



31.4324, 39.8394, 19.3977



22.8627, 18.3454, 44.9860

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.



50.2875, 39.8394, 62.3485



31.4324, 39.8394, 19.3977



38.4442, 39.8394, 90.7591

Square

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



31.4324, 39.8394, 19.3977



28.1491, 39.8394, 66.0529



45.1229, 39.8394, 81.7688



49.5958, 39.8394, 26.5961

Rectangle

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



31.4324, 39.8394, 19.3977



26.6238, 39.8394, 38.8620



45.1229, 39.8394, 81.7688



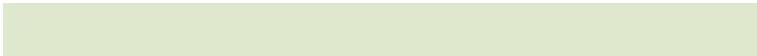
51.8970, 39.8394, 48.2317

Sweetspot

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



31.4334, 39.8412, 19.3986



69.7694, 77.5635, 68.5491



29.4110, 27.1436, 17.0543



15.3056, 17.1149, 14.7774



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.4334, 39.8412, 19.3986



52.7990, 69.7126, 27.2037



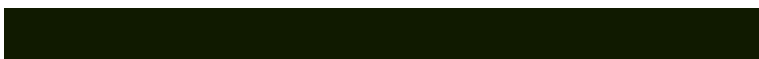
25.7239, 36.8978, 19.1314



8.8793, 9.7428, 9.0651



16.1211, 25.2208, 4.0184



0.5696, 0.8257, 0.1294

Inverse Universe

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



22.8627, 18.3454, 44.9860



35.3043, 25.7921, 79.4988



29.5805, 21.8086, 45.3004



8.3358, 8.3816, 10.6848



7.4888, 3.1964, 30.3593



0.3017, 0.1346, 0.9583

Previews

White Background



This preview shows how the XYZ color 31.4324, 39.8394, 19.3977 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 31.4324, 39.8394, 19.3977 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 31.4324, 39.8394, 19.3977

Background



This preview shows how black text looks on a background with the XYZ color 31.4324, 39.8394, 19.3977.



This preview shows how white text looks on a background with the XYZ color 31.4324, 39.8394,

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

31.4324, 39.8394, 19.3977

Protanopia

36.5445, 39.6298, 18.0351

Deuteranopia

40.1338, 39.2904, 19.9365



Tritanopia

37.8223, 39.8497, 50.4981

Trichromacy



Original Color

31.4324, 39.8394, 19.3977

Protanomaly

34.5754, 39.7307, 18.4168

Deuteranomaly

36.4766, 39.2783, 19.8463

Tritanomaly

34.9605, 39.5228, 36.7964

Monochromacy



Original Color

31.4324, 39.8394, 19.3977

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.9109, 37.1975, 30.6445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4324, 39.8394, 19.3977 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(151, 179, 105)` looks like.

```
.text, #text, p{  
    color:rgb(151, 179, 105)  
}
```

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(151, 179, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 179, 105) }
```

Border

The CSS property to change the border of an element to XYZ 31.4324, 39.8394, 19.3977 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(151, 179, 105) }
```


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

```
.border{ border-color:rgb(151, 179, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 179, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 179, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 179, 105);  
box-shadow:4px 4px 4px 4px rgb(151, 179,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4324, 39.8394, 19.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 179, 105) }
```

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

```
.background{ background-color: rgb(151,  
179, 105) }
```

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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