

Converting Colors

XYZ(31.9416, 39.7606, 34.8452)

Have a look what the booklet for
XYZ(31.9416, 39.7606, 34.8452)
contains.

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Color

**XYZ(31.9416, 39.7606,
34.8452)**

Conversions

Conversions Part 1

Format	Color
Hex	89B396
RGB	137, 179, 150
RGB Percent	54%, 70%, 59%
CMY	0.4627, 0.2980, 0.4118
CMYK	0.23, 0.00, 0.16, 0.30
HSL	139°, 22%, 62%
HSV	139°, 23%, 70%
XYZ	31.9416, 39.7606, 34.8452
YIQ	163.1360, -15.7230, -17.9230

Conversions

Conversions Part 2

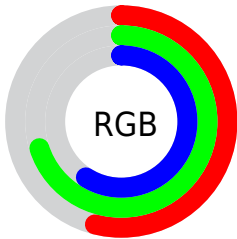
Format	Color
RYB	137, 169, 179
Decimal	9024406
CIELab	69.30, -20.04, 10.27
CIELCh	69, 22.519, 152.880
Yxy	39.7606, 0.2998, 0.3732
Android (android.graphics.Color)	4287214486 (0xFF89B396)
YUV	163.1360, -6.4760, -22.9213
Hunter-Lab	63.0560, -19.9272, 11.3751

Details

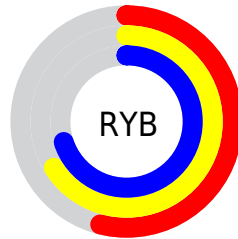
The XYZ color **31.9416, 39.7606, 34.8452** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.4203, 30.2290, 40.0986**, and the grayscale version is **34.9128, 36.7310, 40.0000**.

A 20% lighter version of the original color is **62.0933, 74.8527, 68.3021**, and **13.5507, 17.8010, 14.5261** is the 20% darker color. If you saturate the color by 10%, you get **28.3039, 37.9954, 29.7510**, and if you desaturate by 10%, it is **36.1733, 41.8221, 40.5170**.

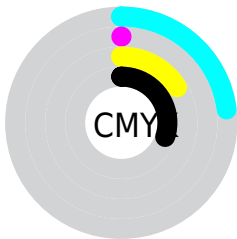
Distribution



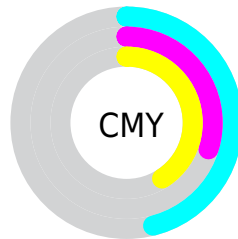
- Red (54%)
- Green (70%)
- Blue (59%)



- Red (54%)
- Yellow (66%)
- Blue (70%)



- Cyan (23%)
- Magenta (0%)
- Yellow (16%)
- Black (30%)





- Cyan (46%)
- Magenta (30%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9416, 39.7606, 34.8452 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 31.9416, 39.7606, 34.8452 by changing the saturation by 10% instead.


 31.9416, 39.7606,
34.8452


 31.9416, 39.7606,
34.8452


302.6032,
345.1135, 338.7680


 21.4722, 27.3519,
23.2611


 62.0853, 74.7988,
68.3947

 13.5840, 17.8377,
14.5793


 82.4904, 98.1972,
91.1972

 7.9117, 10.8335,
8.3813


 106.9381,
126.0276, 118.5762

 4.0898, 5.9550,
4.2487

135.7938,
158.6743, 150.9503

 1.7531, 2.8177,
1.7627

169.4227,
196.5219, 188.7379

 0.4892, 1.0373,
0.4032

208.1904,

 0.0000, 0.0000,

239.9547, 232.3578

0.0000

252.4621,
289.3571, 282.2283

■ 31.9416, 39.7606,
34.8452

■ 31.9416, 39.7606,
34.8452

■ 28.3039, 37.9954,
29.7510

■ 36.1733, 41.8221,
40.5170

■ 25.2298, 36.5079,
25.2134

■ 41.0211, 44.1876,
46.7811

■ 22.6909, 35.2849,
21.2144

■ 46.5102, 46.8709,
53.6550

■ 20.6549, 34.3103,
17.7335

■ 52.6631, 49.8832,
61.1546

■ 19.0861, 33.5660,
14.7493

■ 59.5014, 53.2354,
69.2953

■ 17.9437, 33.0314,
12.2386

■ 67.0456, 56.9376,
78.0920

■ 17.1791, 32.6821,
10.1764

■ 72.5770, 59.5882,
87.4308

■ 16.8202, 32.5215,
9.0562

■ 74.4412, 60.3339,
97.2474

■ 75.4109, 60.7218,
102.3536

Harmonies

Analogous

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



34.1455, 39.7606, 28.6471



31.9416, 39.7606, 34.8452



31.2717, 39.7606, 44.2996

Triad

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



31.9416, 39.7606, 34.8452



38.1413, 39.7606, 66.3464



43.9279, 39.7606, 33.3688

Complementary

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



31.9416, 39.7606, 34.8452



34.4203, 30.2290, 40.0986

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.



45.1592, 39.7606, 42.3009



31.9416, 39.7606, 34.8452



41.6877, 39.7606, 62.2332

Square

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



31.9416, 39.7606, 34.8452



34.7134, 39.7606, 63.5148



44.3148, 39.7606, 53.0054



41.0458, 39.7606, 27.8949

Rectangle

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



31.9416, 39.7606, 34.8452



31.7479, 39.7606, 51.4942



44.3148, 39.7606, 53.0054



44.5566, 39.7606, 36.0116

Sweetspot

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



31.9427, 39.7623, 34.8461



70.1615, 77.5225, 79.5562



36.4468, 42.1986, 29.8914



15.4298, 17.1192, 17.4783



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.



31.9427, 39.7623, 34.8461



53.8127, 69.5610, 57.7088



33.7505, 40.4854, 44.3658



8.4937, 9.5320, 9.5935



11.9115, 22.9906, 6.5369



0.4017, 0.7341, 0.3472

Inverse Universe

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



34.4203, 30.2290, 40.0986



59.0036, 49.5799, 68.7074



32.6789, 29.5325, 30.9286



8.7358, 8.6010, 10.1072



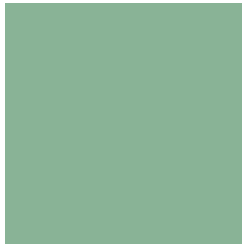
15.7199, 7.8055, 14.2169



0.5193, 0.2555, 0.5775

Previews

White Background



This preview shows how the XYZ color 31.9416, 39.7606, 34.8452 looks on a white background.

Color Contrast Check

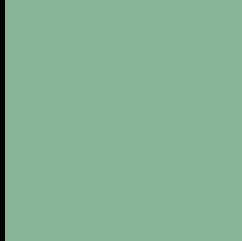
Large Text (above 18pt) WCAG AA × Fail

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 31.9416, 39.7606, 34.8452 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 31.9416, 39.7606, 34.8452

Background



This preview shows how black text looks on a background with the XYZ color 31.9416, 39.7606, 34.8452.



This preview shows how white text looks on a background with the XYZ color 31.9416, 39.7606,

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

31.9416, 39.7606, 34.8452

Protanopia

37.2449, 39.3967, 32.4294

Deuteranopia

40.3328, 39.5707, 35.6491



Tritanopia

35.7148, 39.8322, 53.3830

Trichromacy



Original Color

31.9416, 39.7606, 34.8452

Protanomaly

34.9193, 39.2930, 33.3476

Deuteranomaly

36.6500, 39.3009, 35.3599

Tritanomaly

34.1498, 39.7694, 45.9208

Monochromacy



Original Color

31.9416, 39.7606, 34.8452

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.6859, 37.7146, 37.8520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9416, 39.7606, 34.8452 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(137, 179, 150)` looks like.

```
.text, #text, p{  
    color:rgb(137, 179, 150)  
}
```

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(137, 179, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 179, 150) }
```

Border

The CSS property to change the border of an element to XYZ 31.9416, 39.7606, 34.8452 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(137, 179, 150) }
```


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

```
.border{ border-color:rgb(137, 179, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 179, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 179, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 179, 150);  
box-shadow:4px 4px 4px 4px rgb(137, 179,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9416, 39.7606, 34.8452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 179, 150) }
```

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

```
.background{ background-color: rgb(137,  
179, 150) }
```

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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