

Converting Colors

XYZ(31.8798, 39.2946, 36.0665)

Have a look what the booklet for
XYZ(31.8798, 39.2946, 36.0665)
contains.

XYZ(31.9867, 39.4591, 36.0675)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.9867, 39.4591,
36.0675)**

Conversions

Conversions Part 1

Format	Color
Hex	89B299
RGB	137, 178, 153
RGB Percent	54%, 70%, 60%
CMY	0.4627, 0.3019, 0.4000
CMYK	0.23, 0.00, 0.14, 0.30
HSL	143°, 21%, 62%
HSV	143°, 23%, 70%
XYZ	31.9867, 39.4591, 36.0675
YIQ	162.8910, -16.4110, -16.4670

Conversions

Conversions Part 2

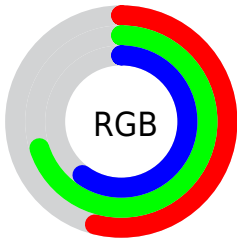
Format	Color
RYB	137, 166, 178
Decimal	9024153
CIELab	69.08, -18.95, 8.31
CIELCh	69, 20.690, 156.316
Yxy	39.4591, 0.2975, 0.3670
Android (android.graphics.Color)	4287214233 (0xFF89B299)
YUV	162.8910, -4.8763, -22.7064
Hunter-Lab	62.8165, -19.0351, 9.9288

Details

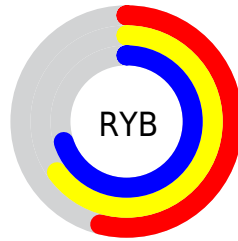
The XYZ color **31.9867, 39.4591, 36.0675** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.8287, 29.9659, 38.1851**, and the grayscale version is **34.7900, 36.6018, 39.8594**.

A 20% lighter version of the original color is **62.1712, 74.4270, 70.1206**, and **13.5696, 17.6050, 15.2533** is the 20% darker color. If you saturate the color by 10%, you get **28.4501, 37.7359, 31.4335**, and if you desaturate by 10%, it is **36.0885, 41.4664, 41.1554**.

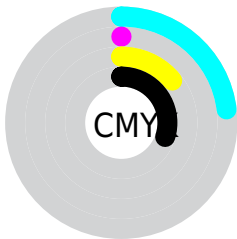
Distribution



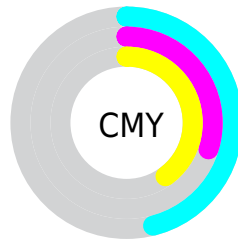
- Red (54%)
- Green (70%)
- Blue (60%)



- Red (54%)
- Yellow (65%)
- Blue (70%)



- Cyan (23%)
- Magenta (0%)
- Yellow (14%)
- Black (30%)



- Cyan (46%)
- Magenta (30%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9867, 39.4591, 36.0675 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 31.9867, 39.4591, 36.0675 by changing the saturation by 10% instead.

■ 31.9867, 39.4591,
36.0675

■ 31.9867, 39.4591,
36.0675

302.8050,
343.8385, 344.3018

■ 21.5068, 27.1171,
24.1962

■ 62.1556, 74.3391,
70.3065

■ 13.6096, 17.6612,
15.2657

■ 82.5753, 97.6459,
93.5112

■ 7.9295, 10.7070,
8.8574

■ 107.0390,
125.3765, 121.3309

■ 4.1013, 5.8702,
4.5527

135.9121,
157.9151, 154.1840

■ 1.7596, 2.7663,
1.9332

169.5599,
195.6462, 192.4891

■ 0.4931, 1.0110,
0.5137

208.3477,

■ 0.0000, 0.0000,

238.9542, 236.6648

0.0000

252.6410,
288.2235, 287.1295

■ 31.9867, 39.4591,
36.0675

■ 31.9867, 39.4591,
36.0675

■ 28.4501, 37.7359,
31.4335

■ 36.0885, 41.4664,
41.1554

■ 25.4496, 36.2789,
27.2382

■ 40.7763, 43.7650,
46.7066

■ 22.9585, 35.0755,
23.4694

■ 46.0737, 46.3680,
52.7334

■ 20.9464, 34.1104,
20.1135

■ 52.0022, 49.2862,
59.2470

■ 19.3793, 33.3664,
17.1559

■ 58.5820, 52.5299,
66.2581

■ 18.2187, 32.8239,
14.5810

■ 65.8328, 56.1089,
73.7771

■ 17.4187, 32.4595,
12.3725

■ 71.3014, 58.7584,
81.6984

■ 17.0097, 32.2778,
11.0394

■ 72.8649, 59.3838,
89.9317

■ 74.5248, 60.0478,
98.6729

Harmonies

Analogous

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



33.8695, 39.4591, 29.9174



31.9867, 39.4591, 36.0675



31.5426, 39.4591, 44.9954

Triad

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



31.9867, 39.4591, 36.0675



38.2073, 39.4591, 63.6851



42.8556, 39.4591, 33.0719

Complementary

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



31.9867, 39.4591, 36.0675



33.8287, 29.9659, 38.1851

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.



44.1744, 39.4591, 40.9952



31.9867, 39.4591, 36.0675



41.3911, 39.4591, 59.3407

Square

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



31.9867, 39.4591, 36.0675



35.0122, 39.4591, 61.8557



43.6234, 39.4591, 50.6885



40.1128, 39.4591, 28.3736

Rectangle

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



31.9867, 39.4591, 36.0675



32.0976, 39.4591, 51.5381



43.6234, 39.4591, 50.6885



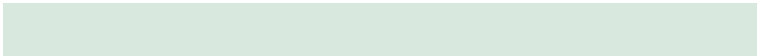
43.4872, 39.4591, 35.3983

Sweetspot

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



31.9878, 39.4608, 36.0684



70.3367, 77.5926, 80.4790



35.3951, 41.3599, 29.7851



15.4716, 17.1360, 17.6984



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.



31.9878, 39.4608, 36.0684



54.3853, 69.7900, 60.7240



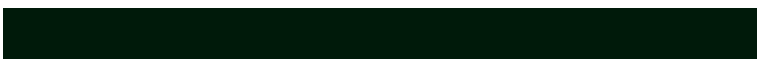
33.8021, 40.1865, 45.6222



8.5217, 9.5432, 9.7410



12.1990, 23.1056, 8.0510



0.4129, 0.7386, 0.4066

Inverse Universe

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



33.8287, 29.9659, 38.1851



58.3529, 49.3196, 65.2806



32.1732, 29.3036, 29.4670



8.7067, 8.5894, 9.9540



15.1258, 7.5679, 11.0882



0.5035, 0.2492, 0.4943

Previews

White Background



This preview shows how the XYZ color 31.9867, 39.4591, 36.0675 looks on a white background.

Color Contrast Check

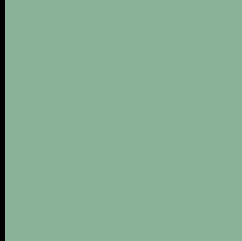
Large Text (above 18pt) WCAG AA × Fail

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 31.9867, 39.4591, 36.0675 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

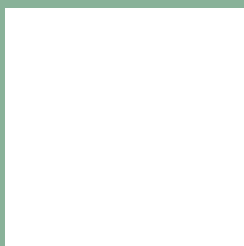
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9867, 39.4591, 36.0675

Background



This preview shows how black text looks on a background with the XYZ color 31.9867, 39.4591, 36.0675.



This preview shows how white text looks on a background with the XYZ color 31.9867, 39.4591,

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

31.9867, 39.4591, 36.0675

Protanopia

37.2524, 39.3735, 33.6534

Deuteranopia

39.9073, 39.0598, 36.8884



Tritanopia

35.2409, 39.3146, 52.7448

Trichromacy



Original Color

31.9867, 39.4591, 36.0675

Protanomaly

35.1578, 39.3884, 34.6039

Deuteranomaly

36.4966, 38.9179, 36.5987

Tritanomaly

34.0523, 39.4178, 46.3711

Monochromacy



Original Color

31.9867, 39.4591, 36.0675

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.5871, 37.3785, 38.2454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9867, 39.4591, 36.0675 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, 178, 153)` looks like.

```
.text, #text, p{  
    color:rgb(137, 178, 153)  
}
```

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, 178, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 178, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.9867, 39.4591, 36.0675 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, 178, 153) }
```


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

```
.border{ border-color:rgb(137, 178, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 178, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 178, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 178, 153);  
box-shadow:4px 4px 4px 4px rgb(137, 178,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9867, 39.4591, 36.0675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 178, 153) }
```

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

```
.background{ background-color: rgb(137,  
178, 153) }
```

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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