

Converting Colors

CIELCh(39, 31.896, 156.996)

Have a look what the booklet for
CIELCh(39, 31.896, 156.996)
contains.

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Color

CIELCh(39, 31.978, 156.939)

Conversions

Conversions Part 1

Format	Color
Hex	256847
RGB	37, 104, 71
RGB Percent	15%, 41%, 28%
CMY	0.8530, 0.5940, 0.7233
CMYK	0.64, 0.00, 0.32, 0.59
HSL	150°, 47%, 28%
HSV	150°, 64%, 41%
XYZ	6.8077, 10.6589, 7.5874
YIQ	80.2050, -29.3390, -24.4670

Conversions

Conversions Part 2

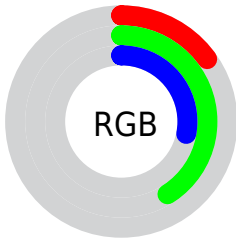
Format	Color
RYB	37, 81, 104
Decimal	2451527
CIELab	39.00, -29.42, 12.53
CIELCh	39, 31.978, 156.939
Yxy	10.6589, 0.2717, 0.4254
Android (android.graphics.Color)	4280641607 (0xFF256847)
YUV	80.2050, -4.5381, -37.8908
Hunter-Lab	32.6480, -19.9135, 9.0746

Details

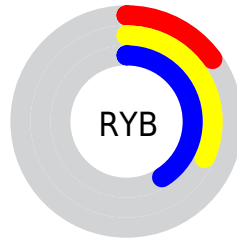
The CIELCh color **39, 31.978, 156.939** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **26, 33.782, 350.716**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 32.242, 157.572**, and **20, 28.623, 152.052** is the 20% darker color. If you saturate the color by 10%, you get **39, 36.011, 155.353**, and if you desaturate by 10%, it is **39, 27.548, 158.348**.

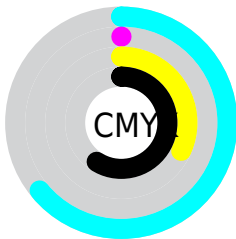
Distribution



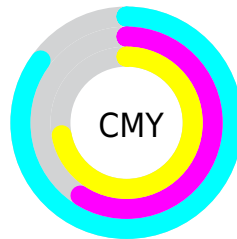
- Red (15%)
- Green (41%)
- Blue (28%)



- Red (15%)
- Yellow (32%)
- Blue (41%)



- Cyan (64%)
- Magenta (0%)
- Yellow (32%)
- Black (59%)





- Cyan (85%)
- Magenta (59%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 31.978, 156.939 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 CIELCh color 39, 31.978, 156.939 by changing the saturation by 10% instead.


 39, 31.978,
156.939


 39, 31.978,
156.939

 100, 31.978,
156.939


 29, 31.978,
156.939

 59, 31.978,
156.939


 19, 31.978,
156.939


 69, 31.978,
156.939

 9, 31.978, 156.939

 79, 31.978,
156.939

 0, 31.978, 156.939

 89, 31.978,
156.939

 99, 31.978,
156.939

■ 39, 31.978,
156.939

■ 39, 31.978,
156.939

■ 39, 36.011,
155.353

■ 39, 27.548,
158.348

■ 38, 39.595,
153.580

■ 40, 22.788,
159.601

■ 38, 42.743,
151.652

■ 41, 17.778,
160.717

■ 38, 44.635,
150.543

■ 42, 12.597,
161.719

■ 42, 7.319, 162.629

■ 43, 2.006, 163.531

■ 44, 3.288, 344.070

■ 46, 8.522, 344.799

■ 47, 13.667,

Harmonies

Complementary

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



39, 31.978, 156.939



26, 33.782, 350.716

Rectangle

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



39, 31.978, 156.939



39, 31.978, 206.939



39, 31.978, 336.939



39, 31.978, 26.939

Sweetspot

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



39, 31.978, 156.939



54, 12.541, 162.114



40, 40.616, 126.436



28, 8.693, 161.916



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



39, 31.978, 156.939



50, 45.990, 154.416



40, 21.365, 196.888



21, 2.942, 163.054



42, 48.296, 150.247



85, 86.332, 148.763

Inverse Universe

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



26, 33.782, 350.716



31, 47.791, 353.819



25, 33.453, 27.477



20, 2.977, 344.339



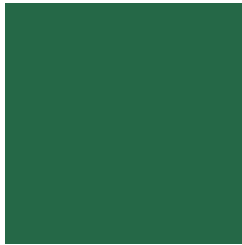
23, 47.184, 0.128



52, 81.410, 2.892

Previews

White Background



This preview shows how the CIELCh color 39, 31.978, 156.939 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 39, 31.978, 156.939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

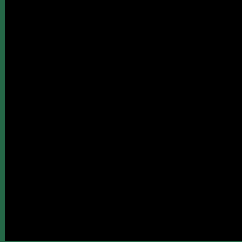
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 31.978, 156.939

Background



This preview shows how black text looks on a background with the CIELCh color 39, 31.978, 156.939.



This preview shows how white text looks on a background with the CIELCh color 39, 31.978, 156.939.

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, 32.170, 157.180

Protanopia

39, 16.128, 95.950

Deuteranopia

39, 11.981, 65.183



Tritanopia
39, 17.091, 214.342

Trichromacy



Original Color
39, 32.170, 157.180

Protanomaly
38, 19.709, 134.085

Deuteranomaly
38, 14.041, 132.203

Tritanomaly
39, 20.369, 184.665

Monochromacy



Original Color
39, 32.170, 157.180

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 12.595, 161.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 31.978, 156.939 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(37, 104, 71)` looks like.

```
.text, #text, p{  
    color:rgb(37, 104, 71)  
}
```

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(37, 104, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 104, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 31.978, 156.939 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(37, 104, 71) }
```

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

```
.border{ border-color:rgb(37, 104, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 104, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 104, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 104, 71);  
box-shadow:4px 4px 4px 4px rgb(37, 104,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 31.978, 156.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 104, 71) }
```

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

```
.background{ background-color: rgb(37, 104,  
71) }
```

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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