

Converting Colors

CIELCh(39, 33.450, 157.965)

Have a look what the booklet for
CIELCh(39, 33.450, 157.965)
contains.

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Color

CIELCh(39, 33.674, 157.701)

Conversions

Conversions Part 1

Format	Color
Hex	1F6846
RGB	31, 104, 70
RGB Percent	12%, 41%, 27%
CMY	0.8779, 0.5917, 0.7251
CMYK	0.70, 0.00, 0.33, 0.59
HSL	152°, 54%, 27%
HSV	152°, 70%, 41%
XYZ	6.6387, 10.6589, 7.5181
YIQ	78.2970, -32.5940, -26.0500

Conversions

Conversions Part 2

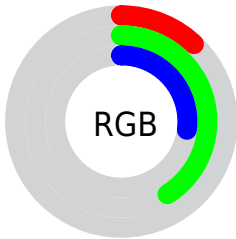
Format	Color
RYB	31, 79, 104
Decimal	2058310
CIELab	39.00, -31.16, 12.78
CIElCh	39, 33.674, 157.701
Yxy	10.6589, 0.2675, 0.4295
Android (android.graphics.Color)	4280248390 (0xFF1F6846)
YUV	78.2970, -4.0904, -41.4795
Hunter-Lab	32.6480, -20.8378, 9.2004

Details

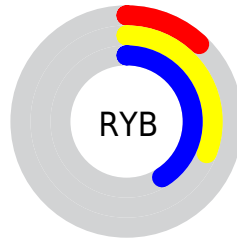
The CIELCh color **39, 33.674, 157.701** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **25, 36.047, 354.175**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 33.986, 157.354**, and **20, 29.109, 151.195** is the 20% darker color. If you saturate the color by 10%, you get **39, 37.281, 155.995**, and if you desaturate by 10%, it is **39, 29.636, 159.224**.

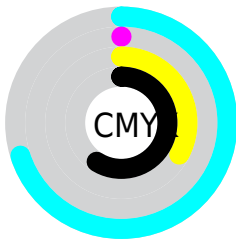
Distribution



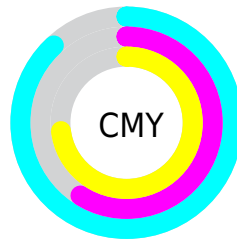
- Red (12%)
- Green (41%)
- Blue (27%)



- Red (12%)
- Yellow (31%)
- Blue (41%)



- Cyan (70%)
- Magenta (0%)
- Yellow (33%)
- Black (59%)





- Cyan (88%)
- Magenta (59%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 33.674, 157.701 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, 33.674, 157.701 by changing the saturation by 10% instead.


 39, 33.674,
157.701


 39, 33.674,
157.701

 100, 33.674,
157.701


 29, 33.674,
157.701

 59, 33.674,
157.701


 19, 33.674,
157.701


 69, 33.674,
157.701

 9, 33.674, 157.701

 79, 33.674,
157.701

 0, 33.674, 157.701

 89, 33.674,
157.701

 99, 33.674,
157.701

■ 39, 33.674,
157.701

■ 39, 33.674,
157.701

■ 39, 37.281,
155.995

■ 39, 29.636,
159.224

■ 38, 40.429,
154.099

■ 40, 25.220,
160.580

■ 38, 43.314,
152.263

■ 41, 20.498,
161.789

■ 41, 15.547,
162.873

■ 42, 10.443,
163.853

■ 43, 5.257, 164.759

■ 44, 0.047, 171.050

■ 45, 5.138, 346.203

■ 46, 10.261,
346.914

Harmonies

Complementary

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



39, 33.674, 157.701



25, 36.047, 354.175

Rectangle

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



39, 33.674, 157.701



39, 33.674, 207.701



39, 33.674, 337.701



39, 33.674, 27.701

Sweetspot

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



39, 33.674, 157.701



54, 13.511, 163.712



40, 44.617, 127.473



28, 9.208, 163.523



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, 33.674, 157.701



50, 47.369, 154.830



39, 21.834, 200.796



21, 2.873, 164.865



42, 46.661, 151.983



85, 83.345, 150.491

Inverse Universe

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



25, 36.047, 354.175



30, 49.522, 358.283



24, 36.576, 30.788



19, 2.912, 346.184



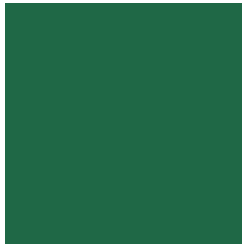
23, 46.929, 3.138



52, 81.210, 6.137

Previews

White Background



This preview shows how the CIELCh color 39, 33.674, 157.701 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, 33.674, 157.701 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, 33.674, 157.701

Background



This preview shows how black text looks on a background with the CIELCh color 39, 33.674, 157.701.



This preview shows how white text looks on a background with the CIELCh color 39, 33.674, 157.701.

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, 33.674, 157.701

Protanopia

39, 16.235, 94.326

Deuteranopia

39, 11.981, 65.183



Tritanopia
39, 18.033, 213.341

Trichromacy



Original Color
39, 33.674, 157.701

Protanomaly
38, 20.126, 136.159

Deuteranomaly
38, 14.432, 135.234

Tritanomaly
39, 21.319, 185.094

Monochromacy



Original Color
39, 33.674, 157.701

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 13.273, 163.212

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 33.674, 157.701 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(31, 104, 70)` looks like.

```
.text, #text, p{  
    color:rgb(31, 104, 70)  
}
```

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(31, 104, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 104, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 33.674, 157.701 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(31, 104, 70) }
```

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

```
.border{ border-color:rgb(31, 104, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 104, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 104, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 104, 70);  
box-shadow:4px 4px 4px 4px rgb(31, 104,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 33.674, 157.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 104, 70) }
```

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

```
.background{ background-color: rgb(31, 104,  
70) }
```

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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