

Converting Colors

CIELCh(33, 40.110, 151.798)

Have a look what the booklet for
CIELCh(33, 40.110, 151.798)
contains.

CIELCh(33, 39.697, 151.518)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 39.697, 151.518)

Conversions

Conversions Part 1

Format	Color
Hex	005A2E
RGB	0, 90, 46
RGB Percent	0%, 35%, 18%
CMY	0.9990, 0.6465, 0.8191
CMYK	1.00, 0.00, 0.49, 0.65
HSL	151°, 99%, 18%
HSV	151°, 100%, 35%
XYZ	4.1677, 7.5373, 3.8338
YIQ	58.0740, -39.5160, -32.7640

Conversions

Conversions Part 2

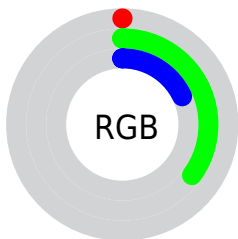
Format	Color
RYB	0, 60, 90
Decimal	23086
CIELab	33.00, -34.89, 18.93
CIELCh	33, 39.697, 151.518
Yxy	7.5373, 0.2682, 0.4851
Android (android.graphics.Color)	4278213166 (0xFF005A2E)
YUV	58.0740, -5.9525, -50.9309
Hunter-Lab	27.4541, -20.9475, 10.9384

Details

The CIELCh color **33, 39.697, 151.518** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **17, 39.804, 359.586**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 39.439, 151.706**, and **14, 31.948, 141.246** is the 20% darker color. If you saturate the color by 10%, you get **33, 39.779, 151.472**, and if you desaturate by 10%, it is **33, 36.886, 153.239**.

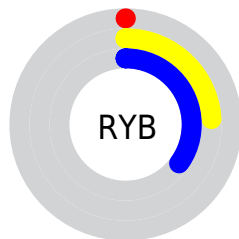
Distribution



Red (0%)

Green (35%)

Blue (18%)



Red (0%)

Yellow (24%)

Blue (35%)

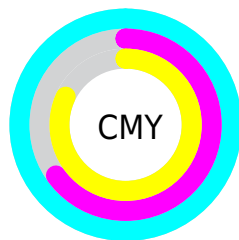


Cyan (100%)

Magenta (0%)

Yellow (49%)

Black (65%)



Cyan (100%)


Magenta (65%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 39.697, 151.518 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 33, 39.697, 151.518 by changing the saturation by 10% instead.


 33, 39.697,
151.518


 33, 39.697,
151.518

 100, 39.697,
151.518


 23, 39.697,
151.518

 53, 39.697,
151.518


 13, 39.697,
151.518


 63, 39.697,
151.518

 3, 39.697, 151.518

 73, 39.697,
151.518

 0, 39.697, 151.518

 83, 39.697,
151.518

 93, 39.697,
151.518

■ 33, 39.697,
151.518

■ 33, 39.697,
151.518

■ 33, 39.779,
151.472

■ 33, 36.886,
153.239

■ 33, 33.911,
155.063

■ 34, 30.535,
156.706

■ 34, 26.789,
158.173

■ 35, 22.722,
159.480

■ 35, 18.400,
160.646

■ 36, 13.890,
161.691

■ 37, 9.258, 162.636

Harmonies

Complementary

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



33, 39.697, 151.518



17, 39.804, 359.586

Rectangle

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



33, 39.697, 151.518



33, 39.697, 201.518



33, 39.697, 331.518



33, 39.697, 21.518

Sweetspot

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



33, 39.697, 151.518



46, 17.408, 161.566



34, 50.398, 126.856



23, 11.733, 161.301



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



33, 39.697, 151.518



43, 48.643, 150.673



34, 23.437, 196.389



18, 2.673, 163.583



40, 46.189, 150.860



83, 84.064, 149.275

Inverse Universe

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



17, 39.804, 359.586



24, 47.829, 1.094



16, 45.230, 34.155



17, 2.705, 344.842



22, 45.619, 0.752



51, 80.029, 3.759

Previews

White Background



This preview shows how the CIELCh color 33, 39.697, 151.518 looks on a white background.

Color Contrast Check

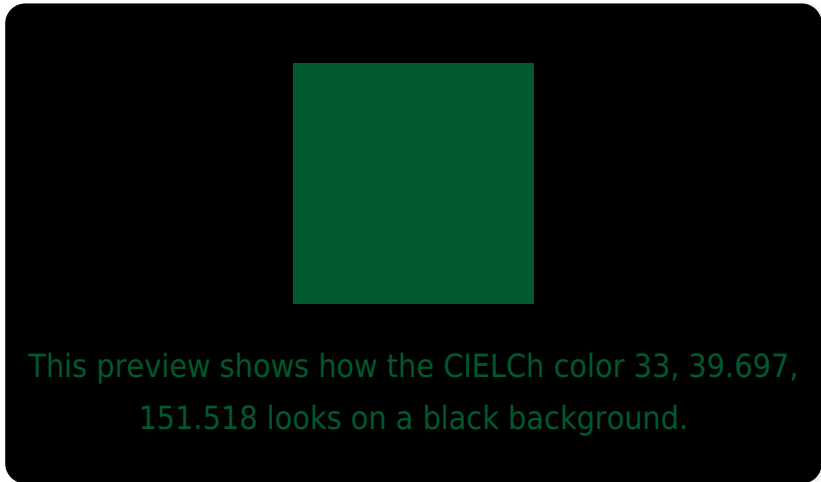
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black 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

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

CIELCh 33, 39.697, 151.518

Background



This preview shows how black text looks on a background with the CIELCh color 33, 39.697, 151.518.



This preview shows how white text looks on a background with the CIELCh color 33, 39.697, 151.518.

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

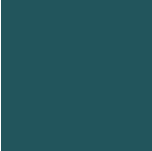
33, 39.697, 151.518

Protanopia

33, 22.535, 95.998

Deuteranopia

33, 18.194, 74.501



Tritanopia
33, 17.240, 212.238

Trichromacy



Original Color
33, 39.697, 151.518

Protanomaly
32, 26.531, 133.930

Deuteranomaly
32, 21.410, 132.319

Tritanomaly
33, 23.377, 177.249

Monochromacy



Original Color
33, 39.697, 151.518

Achromatopsia
24, 0.004, 296.813

Achromatomaly
27, 17.511, 160.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 39.697, 151.518 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(0, 90, 46)` looks like.

```
.text, #text, p{  
    color:rgb(0, 90, 46)  
}
```

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(0, 90, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 90, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 39.697, 151.518 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(0, 90, 46) }
```

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

```
.border{ border-color:rgb(0, 90, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 90, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 90, 46); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 90, 46); box-shadow:4px  
4px 4px 4px rgb(0, 90, 46) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 39.697, 151.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 90, 46) }
```

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

```
.background{ background-color: rgb(0, 90,  
46) }
```

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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