

Converting Colors

CIElCh(34, 33.284, 155.530)

Have a look what the booklet for
CIELCh(34, 33.284, 155.530)
contains.

CIELCh(34, 33.133, 155.729)	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(34, 33.133, 155.729)

Conversions

Conversions Part 1

Format	Color
Hex	155B39
RGB	21, 91, 57
RGB Percent	8%, 36%, 22%
CMY	0.9157, 0.6417, 0.7752
CMYK	0.76, 0.00, 0.37, 0.64
HSL	151°, 62%, 22%
HSV	151°, 76%, 36%
XYZ	4.8389, 8.0082, 5.2054
YIQ	66.1940, -30.8060, -25.4140

Conversions

Conversions Part 2

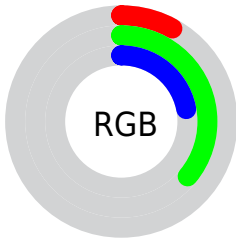
Format	Color
RYB	21, 67, 91
Decimal	1399609
CIELab	34.00, -30.20, 13.62
CIELCh	34, 33.133, 155.729
Yxy	8.0082, 0.2680, 0.4436
Android (android.graphics.Color)	4279589689 (0xFF155B39)
YUV	66.1940, -4.5326, -39.6351
Hunter-Lab	28.2988, -19.0008, 8.9031

Details

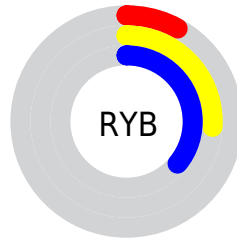
The CIELCh color **34, 33.133, 155.729** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **20, 34.886, 353.797**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 33.211, 155.362**, and **15, 27.404, 147.106** is the 20% darker color. If you saturate the color by 10%, you get **34, 36.256, 153.956**, and if you desaturate by 10%, it is **34, 29.611, 157.319**.

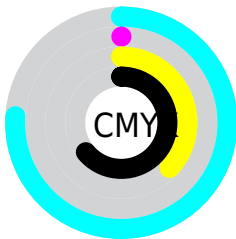
Distribution



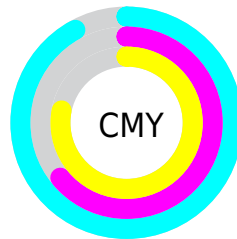
- Red (8%)
- Green (36%)
- Blue (22%)



- Red (8%)
- Yellow (26%)
- Blue (36%)



- Cyan (76%)
- Magenta (0%)
- Yellow (37%)
- Black (64%)





- Cyan (92%)
- Magenta (64%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 33.133, 155.729 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 34, 33.133, 155.729 by changing the saturation by 10% instead.


 34, 33.133,
155.729


 34, 33.133,
155.729

 100, 33.133,
155.729

 24, 33.133,
155.729

 54, 33.133,
155.729

 14, 33.133,
155.729


 64, 33.133,
155.729

 4, 33.133, 155.729

 74, 33.133,
155.729

 0, 33.133, 155.729

 84, 33.133,
155.729

 94, 33.133,
155.729

■ 34, 33.133,
155.729

■ 34, 33.133,
155.729

■ 34, 36.256,
153.956

■ 34, 29.611,
157.319

■ 34, 39.085,
152.138

■ 35, 25.728,
158.737

■ 33, 40.077,
151.564

■ 35, 21.539,
160.001

■ 36, 17.112,
161.129

■ 37, 12.517,
162.143

■ 37, 7.818, 163.063

■ 38, 3.073, 163.934

■ 39, 1.670, 344.473

Harmonies

Complementary

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



34, 33.133, 155.729



20, 34.886, 353.797

Rectangle

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



34, 33.133, 155.729



34, 33.133, 205.729



34, 33.133, 335.729



34, 33.133, 25.729

Sweetspot

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



34, 33.133, 155.729



48, 13.613, 162.402



35, 42.668, 126.308



24, 9.485, 162.162



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



34, 33.133, 155.729



44, 46.733, 152.303



35, 21.449, 196.658



18, 2.668, 163.727



40, 46.063, 150.997



83, 83.830, 149.411

Inverse Universe

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



20, 34.886, 353.797



25, 47.107, 358.812



19, 36.770, 30.707



17, 2.700, 344.988



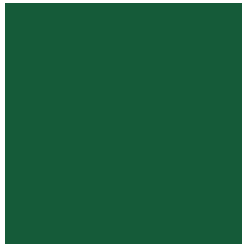
22, 45.597, 0.990



51, 80.008, 4.018

Previews

White Background



This preview shows how the CIELCh color 34, 33.133, 155.729 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



This preview shows how the CIELCh color 34, 33.133, 155.729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

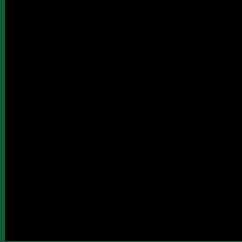
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 33.133, 155.729

Background



This preview shows how black text looks on a background with the CIELCh color 34, 33.133, 155.729.



This preview shows how white text looks on a background with the CIELCh color 34, 33.133, 155.729.

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

34, 33.133, 155.729

Protanopia

34, 17.068, 95.804

Deuteranopia

34, 12.832, 66.570



Tritanopia
34, 16.851, 212.601

Trichromacy



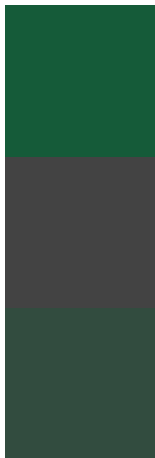
Original Color
34, 33.133, 155.729

Protanomaly
33, 20.365, 134.943

Deuteranomaly
33, 15.133, 132.586

Tritanomaly
34, 20.700, 182.511

Monochromacy



Original Color
34, 33.133, 155.729

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 13.958, 160.778

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 33.133, 155.729 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(21, 91, 57)` looks like.

```
.text, #text, p{  
    color:rgb(21, 91, 57)  
}
```

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(21, 91, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 91, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 33.133, 155.729 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(21, 91, 57) }
```

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

```
.border{ border-color:rgb(21, 91, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 91, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 91, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 91, 57);  
box-shadow:4px 4px 4px 4px rgb(21, 91, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 33.133, 155.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 91, 57) }
```

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

```
.background{ background-color: rgb(21, 91,  
57) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor