

Converting Colors

CIELCh(34, 31.119, 134.388)

Have a look what the booklet for
CIELCh(34, 31.119, 134.388)
contains.

CIELCh(34, 31.109, 134.303)	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, 31.109, 134.303)

Conversions

Conversions Part 1

Format	Color
Hex	37582B
RGB	55, 88, 43
RGB Percent	22%, 35%, 17%
CMY	0.7835, 0.6541, 0.8306
CMYK	0.37, 0.00, 0.51, 0.65
HSL	104°, 34%, 26%
HSV	104°, 51%, 35%
XYZ	5.5337, 8.0082, 3.5584
YIQ	73.0030, -5.2230, -20.9910

Conversions

Conversions Part 2

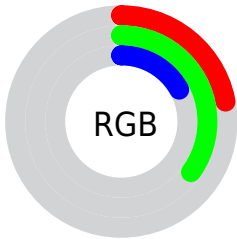
Format	Color
RYB	43, 88, 76
Decimal	3627051
CIELab	34.00, -21.73, 22.26
CIELCh	34, 31.109, 134.303
Yxy	8.0082, 0.3236, 0.4683
Android (android.graphics.Color)	4281817131 (0xFF37582B)
YUV	73.0030, -14.7915, -15.7886
Hunter-Lab	28.2988, -14.6180, 12.3537

Details

The CIELCh color **34, 31.109, 134.303** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **24, 32.021, 318.744**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 30.705, 134.350**, and **14, 29.005, 136.212** is the 20% darker color. If you saturate the color by 10%, you get **34, 36.711, 133.781**, and if you desaturate by 10%, it is **35, 25.207, 134.850**.

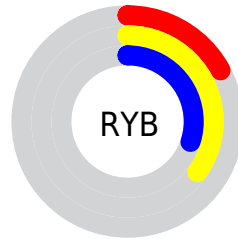
Distribution



Red (22%)

Green (35%)

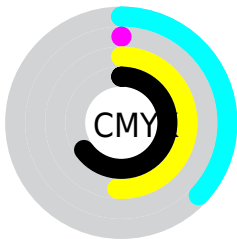
Blue (17%)



Red (17%)

Yellow (35%)

Blue (30%)

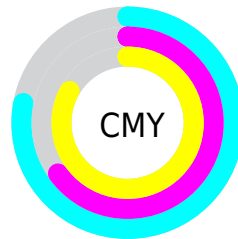


Cyan (37%)

Magenta (0%)

Yellow (51%)

Black (65%)



Cyan (78%)


Magenta (65%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 31.109, 134.303 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, 31.109, 134.303 by changing the saturation by 10% instead.


 34, 31.109,
134.303


 34, 31.109,
134.303

 100, 31.109,
134.303


 24, 31.109,
134.303

 54, 31.109,
134.303


 14, 31.109,
134.303


 64, 31.109,
134.303

 4, 31.109, 134.303

 74, 31.109,
134.303

 0, 31.109, 134.303

 84, 31.109,
134.303

 94, 31.109,
134.303

■ 34, 31.109,
134.303

■ 34, 31.109,
134.303

■ 34, 36.711,
133.781

■ 35, 25.207,
134.850

■ 33, 41.848,
133.339

■ 35, 19.127,
135.383

■ 33, 46.315,
133.066

■ 36, 12.961,
135.883

■ 32, 49.918,
133.036

■ 37, 6.778, 136.344

■ 32, 52.973,
132.783

■ 37, 0.626, 136.904

■ 38, 5.456, 317.077

■ 39, 11.444,
317.404

■ 40, 17.319,
317.684

■ 41, 23.069,
317.926

Harmonies

Complementary

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



34, 31.109, 134.303



24, 32.021, 318.744

Rectangle

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



34, 31.109, 134.303



34, 31.109, 184.303



34, 31.109, 314.303



34, 31.109, 4.303

Sweetspot

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



34, 31.110, 134.304



47, 11.467, 136.143



33, 21.110, 88.906



24, 7.889, 136.081



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



34, 31.110, 134.304



43, 45.420, 133.685



34, 28.970, 146.979



17, 3.385, 136.445



39, 60.904, 133.105



82, 109.340, 133.897

Inverse Universe

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



24, 32.021, 318.744



28, 46.941, 319.081



25, 28.996, 334.306



16, 3.408, 317.095



19, 62.729, 318.863



45, 111.838, 318.301

Previews

White Background



This preview shows how the CIELCh color 34, 31.109, 134.303 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 CIE LCh color 34, 31.109, 134.303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

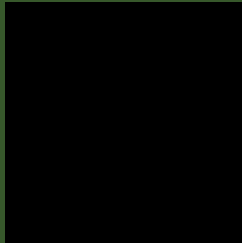
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 31.109, 134.303

Background



This preview shows how black text looks on a background with the CIELCh color 34, 31.109, 134.303.



This preview shows how white text looks on a background with the CIELCh color 34, 31.109, 134.303.

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

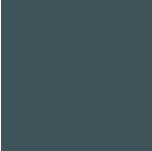
34, 31.109, 134.303

Protanopia

34, 24.743, 96.560

Deuteranopia

34, 21.618, 77.770



Tritanopia
34, 8.790, 228.647

Trichromacy



Original Color
34, 31.109, 134.303

Protanomaly
34, 25.649, 113.415

Deuteranomaly
33, 21.509, 103.756

Tritanomaly
34, 13.004, 162.260

Monochromacy



Original Color
34, 31.109, 134.303

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 12.005, 135.038

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 31.109, 134.303 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(55, 88, 43)` looks like.

```
.text, #text, p{  
    color:rgb(55, 88, 43)  
}
```

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(55, 88, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 88, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 31.109, 134.303 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(55, 88, 43) }
```

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

```
.border{ border-color:rgb(55, 88, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 88, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 88, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 88, 43);  
box-shadow:4px 4px 4px 4px rgb(55, 88, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 31.109, 134.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 88, 43) }
```

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

```
.background{ background-color: rgb(55, 88,  
43) }
```

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