

Converting Colors

CIELCh(31, 34.605, 117.320)

Have a look what the booklet for
CIELCh(31, 34.605, 117.320)
contains.

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Color

CIELCh(31, 34.758, 117.397)

Conversions

Conversions Part 1

Format	Color
Hex	3F4F15
RGB	63, 79, 21
RGB Percent	25%, 31%, 8%
CMY	0.7541, 0.6913, 0.9188
CMYK	0.20, 0.00, 0.74, 0.69
HSL	77°, 58%, 19%
HSV	77°, 74%, 31%
XYZ	4.9398, 6.6515, 1.7192
YIQ	67.6040, 9.0820, -21.4300

Conversions

Conversions Part 2

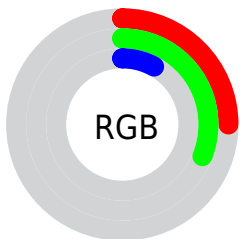
Format	Color
R_{YB}	21, 79, 37
Decimal	4149013
CIE Lab	31.00, -15.99, 30.86
CIE LCh	31, 34.758, 117.397
Yxy	6.6515, 0.3711, 0.4997
Android (android.graphics.Color)	4282339093 (0xFF3F4F15)
YUV	67.6040, -22.9758, -4.0377
Hunter-Lab	25.7905, -10.9443, 14.1010

Details

The CIELCh color **31, 34.758, 117.397** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12, 41.009, 306.554**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 34.402, 117.123**, and **11, 22.528, 132.253** is the 20% darker color. If you saturate the color by 10%, you get **31, 38.164, 117.362**, and if you desaturate by 10%, it is **31, 30.769, 117.650**.

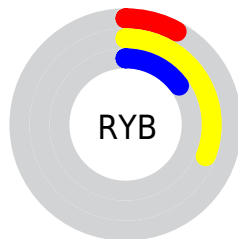
Distribution



 Red (25%)

 Green (31%)

 Blue (8%)




 Red (8%)

 Yellow (31%)

 Blue (15%)

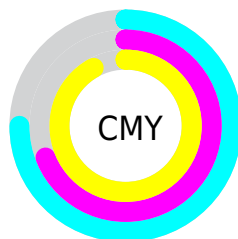



 Cyan (20%)


 Magenta (0%)

 Yellow (74%)

 Black (69%)



 Cyan (75%)


 Magenta (69%)


 Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 34.758, 117.397 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 31, 34.758, 117.397 by changing the saturation by 10% instead.


 31, 34.758,
117.397


 31, 34.758,
117.397

 100, 34.758,
117.397


 21, 34.758,
117.397

 51, 34.758,
117.397


 11, 34.758,
117.397


 61, 34.758,
117.397

 1, 34.758, 117.397

 71, 34.758,
117.397

 0, 34.758, 117.397

 81, 34.758,
117.397

 91, 34.758,
117.397

■ 31, 34.758,
117.397

■ 31, 34.758,
117.397

■ 31, 38.164,
117.362

■ 31, 30.769,
117.650

■ 31, 41.042,
117.501

■ 32, 26.371,
118.045

■ 30, 42.997,
117.478

■ 32, 21.700,
118.528

■ 32, 16.855,
119.059

■ 33, 11.902,
119.610

■ 33, 6.890, 120.163

■ 33, 1.852, 120.712

■ 34, 3.189, 301.216

Harmonies

Complementary

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



31, 34.758, 117.397



12, 41.009, 306.554

Rectangle

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



31, 34.758, 117.397



31, 34.758, 167.397



31, 34.758, 297.397



31, 34.758, 347.397

Sweetspot

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



31, 34.758, 117.399



42, 13.703, 119.660



20, 26.732, 46.100



21, 9.088, 119.591



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



31, 34.758, 117.399



40, 48.104, 117.524



29, 39.719, 134.093



15, 2.744, 120.441



40, 51.563, 117.941



84, 93.818, 118.889

Inverse Universe

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



12, 41.009, 306.554



13, 59.599, 307.756



17, 40.766, 320.281



14, 2.790, 301.369



11, 66.089, 308.529



31, 120.585, 307.911

Previews

White Background



This preview shows how the CIELCh color 31, 34.758, 117.397 looks on a white background.

Color Contrast Check

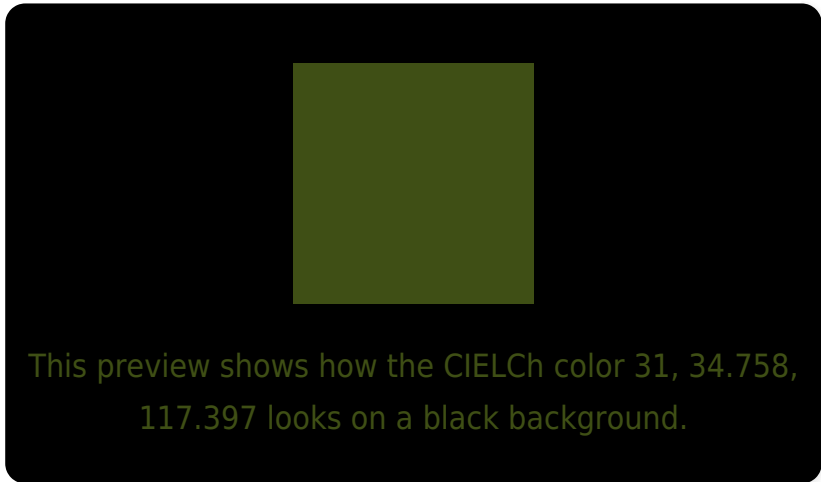
Large Text (above 18pt) WCAG AA ✓ Pass

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

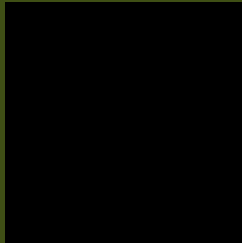
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 34.758, 117.397

Background



This preview shows how black text looks on a background with the CIELCh color 31, 34.758, 117.397.



This preview shows how white text looks on a background with the CIELCh color 31, 34.758, 117.397.

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

31, 34.758, 117.397

Protanopia

31, 32.273, 95.799

Deuteranopia

31, 29.634, 81.964



Tritanopia
31, 4.142, 267.009

Trichromacy



Original Color
31, 34.758, 117.397

Protanomaly
31, 32.339, 104.201

Deuteranomaly
31, 30.292, 96.644

Tritanomaly
31, 11.372, 127.089

Monochromacy



Original Color
31, 34.758, 117.397

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 13.636, 119.702

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 34.758, 117.397 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(63, 79, 21)` looks like.

```
.text, #text, p{  
    color:rgb(63, 79, 21)  
}
```

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(63, 79, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 79, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 34.758, 117.397 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(63, 79, 21) }
```

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

```
.border{ border-color:rgb(63, 79, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 79, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 79, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 79, 21);  
box-shadow:4px 4px 4px 4px rgb(63, 79, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 34.758, 117.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 79, 21) }
```

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

```
.background{ background-color: rgb(63, 79,  
21) }
```

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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