

Converting Colors

CIELCh(31, 34.826, 86.950)

Have a look what the booklet for
CIELCh(31, 34.826, 86.950) contains.

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Color

CIELCh(31, 34.854, 87.065)

Conversions

Conversions Part 1

Format	Color
Hex	5A470E
RGB	90, 71, 14
RGB Percent	35%, 28%, 5%
CMY	0.6485, 0.7228, 0.9465
CMYK	0.00, 0.21, 0.85, 0.65
HSL	45°, 74%, 20%
HSV	45°, 85%, 35%
XYZ	6.4906, 6.6515, 1.3444
YIQ	70.1830, 29.6210, -13.6990

Conversions

Conversions Part 2

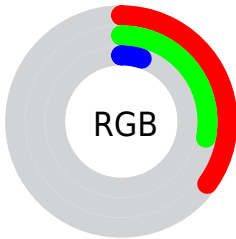
Format	Color
RYB	39, 90, 14
Decimal	5916430
CIELab	31.00, 1.78, 34.81
CIELCh	31, 34.854, 87.065
Yxy	6.6515, 0.4480, 0.4592
Android (android.graphics.Color)	4284106510 (0xFF5A470E)
YUV	70.1830, -27.6982, 17.3795
Hunter-Lab	25.7905, -0.2109, 14.9627

Details

The CIELCh color **31, 34.854, 87.065** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **15, 39.929, 294.118**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 35.026, 86.968**, and **11, 16.806, 82.248** is the 20% darker color. If you saturate the color by 10%, you get **30, 37.636, 85.669**, and if you desaturate by 10%, it is **32, 31.544, 88.420**.

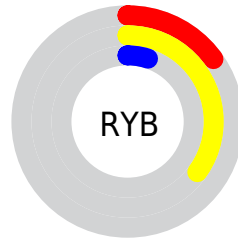
Distribution



Red (35%)

Green (28%)

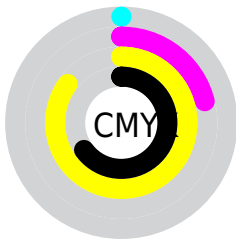
Blue (5%)



Red (15%)

Yellow (35%)

Blue (5%)

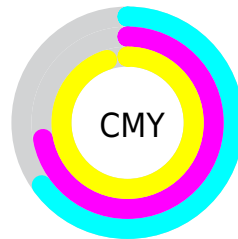


Cyan (0%)

Magenta (21%)

Yellow (85%)

Black (65%)



Cyan (65%)

Magenta (72%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 34.854, 87.065 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, 34.854, 87.065 by changing the saturation by 10% instead.

■ 31, 34.854, 87.065

■ 31, 34.854, 87.065

■ 100, 34.854,
87.065

■ 21, 34.854, 87.065

■ 51, 34.854, 87.065

■ 11, 34.854, 87.065

■ 61, 34.854, 87.065

■ 1, 34.854, 87.065

■ 71, 34.854, 87.065

■ 0, 34.854, 87.065

■ 81, 34.854, 87.065

■ 91, 34.854, 87.065

■ 31, 34.854, 87.065

■ 31, 34.854, 87.065

■ 30, 37.636, 85.669

■ 32, 31.544, 88.420

■ 30, 39.284, 85.032

■ 33, 27.707, 89.703

■ 33, 23.572, 90.945

■ 34, 19.290, 92.160

■ 35, 14.952, 93.349

■ 36, 10.610, 94.510

■ 37, 6.295, 95.638

■ 38, 2.022, 96.703

■ 39, 2.201, 277.866

Harmonies

Complementary

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



31, 34.854, 87.065



15, 39.929, 294.118

Rectangle

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



31, 34.854, 87.065



31, 34.854, 137.065



31, 34.854, 267.065



31, 34.854, 317.065

Sweetspot

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



31, 34.854, 87.068



47, 13.365, 94.391



18, 35.979, 15.075



23, 9.035, 94.140



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



31, 34.854, 87.068



39, 47.395, 84.348



35, 42.342, 116.195



18, 2.423, 96.283



37, 45.201, 84.508



76, 79.271, 83.104

Inverse Universe

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



15, 39.929, 294.118



16, 59.798, 299.366



12, 52.233, 307.016



17, 2.441, 278.297



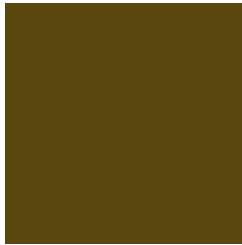
15, 56.569, 299.120



36, 106.057, 301.100

Previews

White Background



This preview shows how the CIELCh color 31, 34.854, 87.065 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 31, 34.854, 87.065 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 31, 34.854, 87.065

Background



This preview shows how black text looks on a background with the CIELCh color 31, 34.854, 87.065.



This preview shows how white text looks on a background with the CIELCh color 31, 34.854, 87.065.

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, 34.854, 87.065

Protanopia

31, 34.400, 95.889

Deuteranopia

31, 34.811, 83.329



Tritanopia
31, 12.647, 7.273

Trichromacy



Original Color
31, 34.854, 87.065

Protanomaly
31, 34.380, 92.307

Deuteranomaly
31, 34.811, 85.198

Tritanomaly
31, 16.767, 62.749

Monochromacy



Original Color
31, 34.854, 87.065

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 13.168, 92.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 34.854, 87.065 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(90, 71, 14)` looks like.

```
.text, #text, p{  
    color:rgb(90, 71, 14)  
}
```

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(90, 71, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 71, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 34.854, 87.065 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(90, 71, 14) }
```

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

```
.border{ border-color:rgb(90, 71, 14) }
```

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

Here you see how a box with a 4 pixel rgb(90, 71, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 71, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 71, 14);  
box-shadow:4px 4px 4px 4px rgb(90, 71, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 34.854, 87.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 71, 14) }
```

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

```
.background{ background-color: rgb(90, 71,  
14) }
```

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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