

Converting Colors

CIELCh(34, 70.272, 42.368)

Have a look what the booklet for
CIELCh(34, 70.272, 42.368) contains.

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Color

CIELCh(34, 70.135, 42.483)

Conversions

Conversions Part 1

Format	Color
Hex	9E1900
RGB	158, 25, 0
RGB Percent	62%, 10%, 0%
CMY	0.3793, 0.9006, 0.9992
CMYK	0.00, 0.84, 1.00, 0.38
HSL	10°, 100%, 31%
HSV	10°, 100%, 62%
XYZ	14.5122, 8.0082, 0.7868
YIQ	61.9170, 87.2930, 20.4210

Conversions

Conversions Part 2

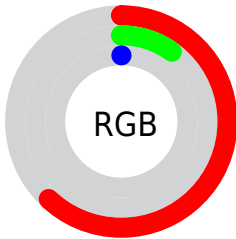
Format	Color
RYB	158, 30, 0
Decimal	10361088
CIELab	34.00, 51.72, 47.37
CIELCh	34, 70.135, 42.483
Yxy	8.0082, 0.6226, 0.3436
Android (android.graphics.Color)	4288551168 (0xFF9E1900)
YUV	61.9170, -30.5251, 84.2648
Hunter-Lab	28.2988, 42.0157, 18.1608

Details

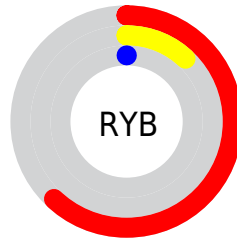
The CIELCh color **34, 70.135, 42.483** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **51, 30.484, 226.194**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 70.122, 42.379**, and **18, 48.338, 35.275** is the 20% darker color. If you saturate the color by 10%, you get **34, 70.213, 42.507**, and if you desaturate by 10%, it is **36, 63.728, 41.282**.

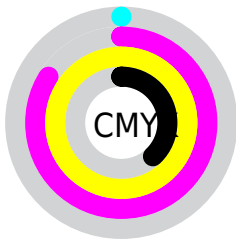
Distribution



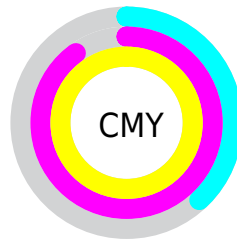
- Red (62%)
- Green (10%)
- Blue (0%)



- Red (62%)
- Yellow (12%)
- Blue (0%)



- Cyan (0%)
- Magenta (84%)
- Yellow (100%)
- Black (38%)



- Cyan (38%)
- Magenta (90%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 70.135, 42.483 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, 70.135, 42.483 by changing the saturation by 10% instead.

 34, 70.135, 42.483

 34, 70.135, 42.483

 100, 70.135,
42.483

 24, 70.135, 42.483

 54, 70.135, 42.483

 14, 70.135, 42.483

 64, 70.135, 42.483

 4, 70.135, 42.483

 74, 70.135, 42.483

 0, 70.135, 42.483

 84, 70.135, 42.483

 94, 70.135, 42.483

 34, 70.135, 42.483

 34, 70.135, 42.483

 34, 70.213, 42.507

 36, 63.728, 41.282

■ 38, 56.141, 39.934

■ 40, 47.970, 38.499

■ 43, 39.825, 37.270

■ 46, 31.986, 36.322

■ 50, 24.588, 35.644

■ 54, 17.686, 35.194

■ 57, 11.291, 34.922

■ 61, 5.384, 34.766

Harmonies

Complementary

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



34, 70.135, 42.483



51, 30.484, 226.194

Rectangle

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



34, 70.135, 42.483



34, 70.135, 92.483



34, 70.135, 222.483



34, 70.135, 272.483

Sweetspot

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



34, 70.133, 42.485



68, 22.128, 35.220



36, 72.042, 335.158



34, 15.467, 35.380



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



34, 70.133, 42.485



45, 86.200, 42.222



48, 57.719, 74.483



31, 3.074, 34.757



30, 64.588, 42.359



1, 3.910, 33.942

Inverse Universe

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



51, 30.484, 226.194



65, 37.145, 226.891



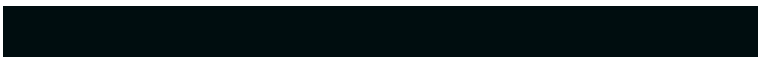
27, 65.747, 295.147



33, 2.902, 215.023



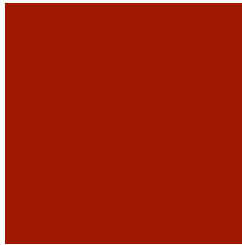
46, 28.282, 225.931



3, 3.817, 218.084

Previews

White Background



This preview shows how the CIE LCh color 34, 70.135, 42.483 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, 70.135, 42.483 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, 70.135, 42.483

Background



This preview shows how black text looks on a background with the CIELCh color 34, 70.135, 42.483.



This preview shows how white text looks on a background with the CIELCh color 34, 70.135, 42.483.

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, 70.135, 42.483

Protanopia

35, 36.385, 95.806

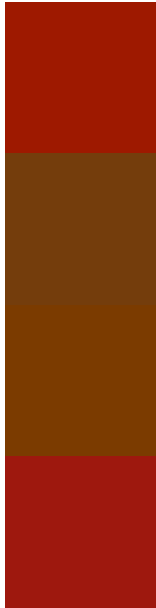
Deuteranopia

35, 43.372, 85.237



Tritanopia
34, 64.580, 35.858

Trichromacy



Original Color
34, 70.135, 42.483

Protanomaly
32, 42.934, 61.402

Deuteranomaly
33, 49.724, 60.374

Tritanomaly
34, 66.776, 38.617

Monochromacy



Original Color
34, 70.135, 42.483

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 25.811, 36.765

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 70.135, 42.483 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(158, 25, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 25, 0)  
}
```

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(158, 25, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 25, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 70.135, 42.483 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(158, 25, 0) }
```

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

```
.border{ border-color:rgb(158, 25, 0) }
```

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

Here you see how a box with a 4 pixel rgb(158, 25, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 25, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 25, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 25, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 70.135, 42.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 25, 0) }
```

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

```
.background{ background-color: rgb(158, 25,  
0) }
```

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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