

Converting Colors

CIELCh(34, 68.922, 42.874)

Have a look what the booklet for
CIELCh(34, 68.922, 42.874) contains.

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Color

CIELCh(34, 69.016, 42.802)

Conversions

Conversions Part 1

Format	Color
Hex	9D1C01
RGB	157, 28, 1
RGB Percent	62%, 11%, 0%
CMY	0.3841, 0.8899, 0.9959
CMYK	0.00, 0.82, 0.99, 0.38
HSL	10°, 99%, 31%
HSV	10°, 99%, 62%
XYZ	14.3361, 8.0082, 0.8198
YIQ	63.4930, 85.5510, 18.9510

Conversions

Conversions Part 2

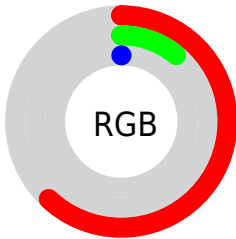
Format	Color
RYB	157, 34, 1
Decimal	10296321
CIELab	34.00, 50.64, 46.89
CIELCh	34, 69.016, 42.802
Yxy	8.0082, 0.6189, 0.3457
Android (android.graphics.Color)	4288486401 (0xFF9D1C01)
YUV	63.4930, -30.8090, 82.0056
Hunter-Lab	28.2988, 40.9047, 18.0915

Details

The CIELCh color **34, 69.016, 42.802** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **50, 30.279, 229.058**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 68.984, 42.822**, and **18, 47.902, 35.127** is the 20% darker color. If you saturate the color by 10%, you get **34, 69.428, 42.904**, and if you desaturate by 10%, it is **36, 62.547, 41.799**.

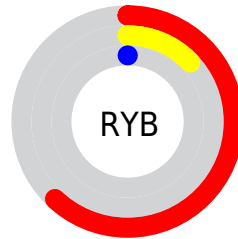
Distribution



Red (62%)

Green (11%)

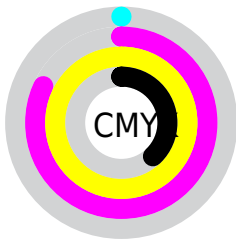
Blue (0%)



Red (62%)

Yellow (13%)

Blue (0%)

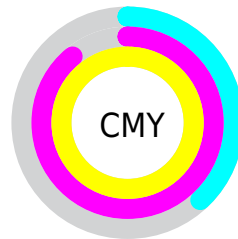


Cyan (0%)

Magenta (82%)

Yellow (99%)

Black (38%)



Cyan (38%)

Magenta (89%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 69.016, 42.802 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, 69.016, 42.802 by changing the saturation by 10% instead.

 34, 69.016, 42.802

 34, 69.016, 42.802

 100, 69.016,
42.802

 24, 69.016, 42.802

 54, 69.016, 42.802

 14, 69.016, 42.802

 64, 69.016, 42.802

 4, 69.016, 42.802

 74, 69.016, 42.802

 0, 69.016, 42.802

 84, 69.016, 42.802

 94, 69.016, 42.802

 34, 69.016, 42.802

 34, 69.016, 42.802

 34, 69.428, 42.904

 36, 62.547, 41.799

■ 38, 54.949, 40.614

■ 40, 46.842, 39.350

■ 43, 38.801, 38.276

■ 46, 31.089, 37.462

■ 50, 23.825, 36.898

■ 53, 17.059, 36.546

■ 57, 10.792, 36.359

■ 61, 5.004, 36.274

Harmonies

Complementary

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



34, 69.016, 42.802



50, 30.279, 229.058

Rectangle

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



34, 69.016, 42.802



34, 69.016, 92.802



34, 69.016, 222.802



34, 69.016, 272.802

Sweetspot

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



34, 69.014, 42.804



68, 21.694, 36.579



36, 70.666, 336.025



34, 15.004, 36.703



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



34, 69.014, 42.804



44, 84.950, 42.590



49, 57.262, 76.163



31, 3.045, 36.274



31, 64.273, 42.791



1, 3.874, 35.420

Inverse Universe

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



50, 30.279, 229.058



64, 36.831, 229.973



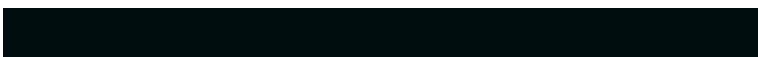
27, 66.727, 295.930



33, 2.875, 216.660



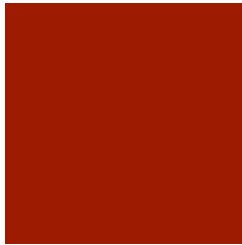
46, 28.281, 228.950



3, 3.784, 219.886

Previews

White Background



This preview shows how the CIELCh color 34, 69.016, 42.802 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, 69.016, 42.802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

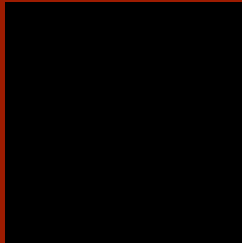
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 69.016, 42.802

Background



This preview shows how black text looks on a background with the CIELCh color 34, 69.016, 42.802.



This preview shows how white text looks on a background with the CIELCh color 34, 69.016, 42.802.

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, 69.016, 42.802

Protanopia

35, 36.385, 95.806

Deuteranopia

35, 43.372, 85.237



Tritanopia
34, 63.005, 34.990

Trichromacy



Original Color
34, 69.016, 42.802

Protanomaly
32, 42.834, 62.222

Deuteranomaly
33, 49.574, 61.027

Tritanomaly
34, 65.382, 38.539

Monochromacy



Original Color
34, 69.016, 42.802

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 25.433, 38.100

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 69.016, 42.802 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(157, 28, 1)` looks like.

```
.text, #text, p{  
    color:rgb(157, 28, 1)  
}
```

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(157, 28, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 28, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 69.016, 42.802 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(157, 28, 1) }
```

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

```
.border{ border-color:rgb(157, 28, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 28, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 28, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 28, 1);  
box-shadow:4px 4px 4px 4px rgb(157, 28, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 69.016, 42.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 28, 1) }
```

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

```
.background{ background-color: rgb(157, 28,  
1) }
```

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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