

Converting Colors

CIELCh(34, 72.897, 38.829)

Have a look what the booklet for
CIELCh(34, 72.897, 38.829) contains.

CIELCh(34, 72.942, 38.779)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(34, 72.942, 38.779)

Conversions

Conversions Part 1

Format	Color
Hex	A40606
RGB	164, 6, 6
RGB Percent	64%, 2%, 2%
CMY	0.3576, 0.9779, 0.9770
CMYK	0.00, 0.97, 0.96, 0.36
HSL	360°, 93%, 33%
HSV	360°, 97%, 64%
XYZ	15.3658, 8.0082, 0.9044
YIQ	53.2420, 94.1680, 33.4960

Conversions

Conversions Part 2

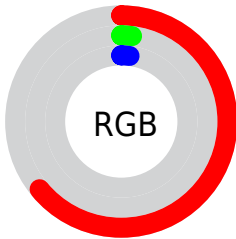
Format	Color
RYB	164, 6, 6
Decimal	10749446
CIELab	34.00, 56.86, 45.68
CIELCh	34, 72.942, 38.779
Yxy	8.0082, 0.6329, 0.3298
Android (android.graphics.Color)	4288939526 (0xFFA40606)
YUV	53.2420, -23.2903, 97.1348
Hunter-Lab	28.2988, 47.4000, 17.9143

Details

The CIELCh color **34, 72.942, 38.779** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **61, 35.804, 196.197**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 72.667, 38.929**, and **19, 50.503, 35.960** is the 20% darker color. If you saturate the color by 10%, you get **34, 74.809, 39.732**, and if you desaturate by 10%, it is **35, 67.076, 35.687**.

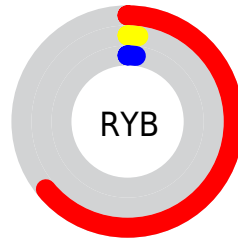
Distribution



Red (64%)

Green (2%)

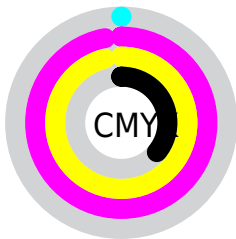
Blue (2%)



Red (64%)

Yellow (2%)

Blue (2%)

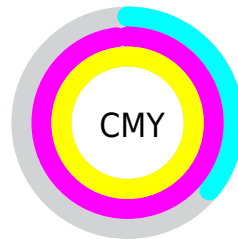


Cyan (0%)

Magenta (97%)

Yellow (96%)

Black (36%)



Cyan (36%)

Magenta (98%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 72.942, 38.779 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, 72.942, 38.779 by changing the saturation by 10% instead.

■ 34, 72.942, 38.779

■ 34, 72.942, 38.779

■ 100, 72.942,
38.779

■ 24, 72.942, 38.779

■ 54, 72.942, 38.779

■ 14, 72.942, 38.779

■ 64, 72.942, 38.779

■ 4, 72.942, 38.779

■ 74, 72.942, 38.779

■ 0, 72.942, 38.779

■ 84, 72.942, 38.779

■ 94, 72.942, 38.779

■ 34, 72.942, 38.779

■ 34, 72.942, 38.779

■ 34, 74.809, 39.732

■ 35, 67.076, 35.687

■ 37, 59.565, 32.154

■ 39, 51.296, 28.931

■ 43, 42.760, 26.279

■ 46, 34.270, 24.194

■ 50, 26.054, 22.585

■ 55, 18.258, 21.346

■ 59, 10.958, 20.380

■ 64, 4.174, 19.573

Harmonies

Complementary

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



34, 72.942, 38.779



61, 35.804, 196.197

Rectangle

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



34, 72.942, 38.779



34, 72.942, 88.779



34, 72.942, 218.779



34, 72.942, 268.779

Sweetspot

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



34, 72.939, 38.781



69, 25.079, 21.684



39, 82.324, 327.568



34, 17.431, 22.185



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



34, 72.939, 38.781



45, 91.620, 39.951



44, 59.806, 60.286



32, 3.629, 19.789



30, 68.014, 39.209



1, 5.464, 19.299

Inverse Universe

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



34, 72.939, 38.781



45, 91.620, 39.951



37, 48.006, 280.463



32, 3.629, 19.789



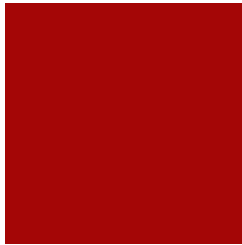
30, 68.014, 39.209



1, 5.464, 19.299

Previews

White Background



This preview shows how the CIELCh color 34, 72.942, 38.779 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, 72.942, 38.779 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, 72.942, 38.779

Background



This preview shows how black text looks on a background with the CIELCh color 34, 72.942, 38.779.



This preview shows how white text looks on a background with the CIELCh color 34, 72.942, 38.779.

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, 72.942, 38.779

Protanopia

35, 35.554, 95.844

Deuteranopia

35, 43.700, 85.412



Tritanopia
34, 73.274, 41.054

Trichromacy



Original Color
34, 72.942, 38.779

Protanomaly
31, 43.644, 54.295

Deuteranomaly
32, 51.468, 54.670

Tritanomaly
34, 73.060, 40.266

Monochromacy



Original Color
34, 72.942, 38.779

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 29.222, 26.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 72.942, 38.779 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(164, 6, 6)` looks like.

```
.text, #text, p{  
    color:rgb(164, 6, 6)  
}
```

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(164, 6, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 6, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 72.942, 38.779 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(164, 6, 6) }
```

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

```
.border{ border-color:rgb(164, 6, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 6, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 6, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(164, 6, 6); box-shadow:4px  
4px 4px 4px rgb(164, 6, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 72.942, 38.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 6, 6) }
```

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

```
.background{ background-color: rgb(164, 6,  
6) }
```

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