

Converting Colors

CIELCh(34, 75.064, 39.344)

Have a look what the booklet for
CIELCh(34, 75.064, 39.344) contains.

CIELCh(34, 74.791, 39.321)	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>	25

Color

CIELCh(34, 74.791, 39.321)

Conversions

Conversions Part 1

Format	Color
Hex	A50002
RGB	165, 0, 2
RGB Percent	65%, 0%, 1%
CMY	0.3528, 0.9997, 0.9921
CMYK	0.00, 1.00, 0.99, 0.35
HSL	359°, 100%, 32%
HSV	359°, 100%, 65%
XYZ	15.5350, 8.0082, 0.7850
YIQ	49.5630, 97.6980, 35.6020

Conversions

Conversions Part 2

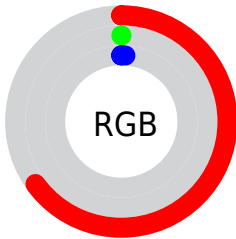
Format	Color
RYB	165, 0, 2
Decimal	10813442
CIELab	34.00, 57.86, 47.39
CIELCh	34, 74.791, 39.321
Yxy	8.0082, 0.6386, 0.3292
Android (android.graphics.Color)	4289003522 (0xFFA50002)
YUV	49.5630, -23.4486, 101.2382
Hunter-Lab	28.2988, 48.4668, 18.1645

Details

The CIELCh color **34, 74.791, 39.321** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **61, 36.493, 194.615**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 74.778, 39.273**, and **20, 50.932, 36.087** is the 20% darker color. If you saturate the color by 10%, you get **34, 74.816, 39.337**, and if you desaturate by 10%, it is **35, 69.295, 36.355**.

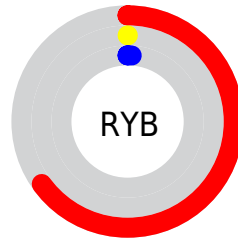
Distribution



Red (65%)

Green (0%)

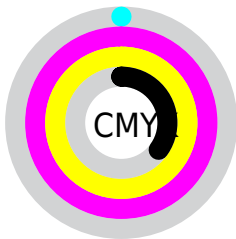
Blue (1%)



Red (65%)

Yellow (0%)

Blue (1%)

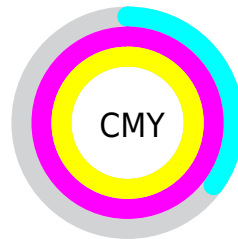


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (35%)



Cyan (35%)

Magenta (100%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 74.791, 39.321 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, 74.791, 39.321 by changing the saturation by 10% instead.

 34, 74.791, 39.321

 34, 74.791, 39.321

 100, 74.791,
39.321

 24, 74.791, 39.321

 54, 74.791, 39.321

 14, 74.791, 39.321

 64, 74.791, 39.321

 4, 74.791, 39.321

 74, 74.791, 39.321

 0, 74.791, 39.321

 84, 74.791, 39.321

 94, 74.791, 39.321

 34, 74.791, 39.321

 34, 74.791, 39.321

 34, 74.816, 39.337

 35, 69.295, 36.355

■ 36, 62.226, 32.742

■ 39, 54.188, 29.299

■ 42, 45.744, 26.407

■ 45, 37.232, 24.109

■ 49, 28.906, 22.325

■ 54, 20.944, 20.946

■ 58, 13.448, 19.872

■ 63, 6.457, 19.007

Harmonies

Complementary

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



34, 74.791, 39.321



61, 36.493, 194.615

Rectangle

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



34, 74.791, 39.321



34, 74.791, 89.321



34, 74.791, 219.321



34, 74.791, 269.321

Sweetspot

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



34, 74.788, 39.323



68, 25.996, 21.019



39, 83.490, 327.580



33, 17.953, 21.535



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, 74.788, 39.323



45, 91.173, 39.596



44, 61.842, 59.596



32, 3.629, 18.951



30, 67.650, 38.799



1, 5.465, 18.519

Inverse Universe

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



34, 74.788, 39.323



45, 91.173, 39.596



36, 49.986, 281.938



32, 3.629, 18.951



30, 67.650, 38.799



1, 5.465, 18.519

Previews

White Background



This preview shows how the CIELCh color 34, 74.791, 39.321 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, 74.791, 39.321 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, 74.791, 39.321

Background



This preview shows how black text looks on a background with the CIELCh color 34, 74.791, 39.321.



This preview shows how white text looks on a background with the CIELCh color 34, 74.791, 39.321.

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, 74.791, 39.321

Protanopia

35, 35.986, 95.863

Tritanopia

34, 73.638, 41.052

Trichromacy



Original Color
34, 74.791, 39.321

Protanomaly
31, 44.663, 53.566

Tritanomaly
34, 73.848, 40.349

Monochromacy



Original Color
34, 74.791, 39.321

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 30.828, 26.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 74.791, 39.321 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(165, 0, 2)` looks like.

```
.text, #text, p{  
    color:rgb(165, 0, 2)  
}
```

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(165, 0, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 0, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 74.791, 39.321 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(165, 0, 2) }
```

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

```
.border{ border-color:rgb(165, 0, 2) }
```

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

Here you see how a box with a 4 pixel rgb(165, 0, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(165, 0, 2); box-shadow:4px  
4px 4px 4px rgb(165, 0, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 74.791, 39.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 0, 2) }
```

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

```
.background{ background-color: rgb(165, 0,  
2) }
```

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