

Converting Colors

CIELCh(34, 42.179, 84.158)

Have a look what the booklet for
CIELCh(34, 42.179, 84.158) contains.

CIELCh(34, 42.194, 84.044)	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, 42.194, 84.044)

Conversions

Conversions Part 1

Format	Color
Hex	664C02
RGB	102, 76, 2
RGB Percent	40%, 30%, 1%
CMY	0.5998, 0.7018, 0.9919
CMYK	0.00, 0.25, 0.98, 0.60
HSL	44°, 96%, 20%
HSV	44°, 98%, 40%
XYZ	8.0850, 8.0082, 1.1785
YIQ	75.3380, 39.2500, -17.5020

Conversions

Conversions Part 2

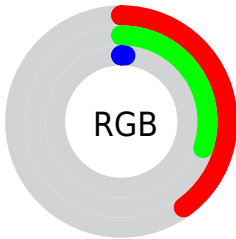
Format	Color
R_{YB}	37, 102, 2
Decimal	6704130
CIE _{Lab}	34.00, 4.38, 41.97
CIE _{LCh}	34, 42.194, 84.044
Yxy	8.0082, 0.4681, 0.4637
Android (android.graphics.Color)	4284894210 (0xFF664C02)
YUV	75.3380, -36.1556, 23.3826
Hunter-Lab	28.2988, 1.4744, 17.3400

Details

The CIELCh color **34, 42.194, 84.044** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **14, 51.404, 297.846**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 42.563, 84.278**, and **14, 21.258, 75.803** is the 20% darker color. If you saturate the color by 10%, you get **34, 42.851, 83.782**, and if you desaturate by 10%, it is **35, 39.364, 85.535**.

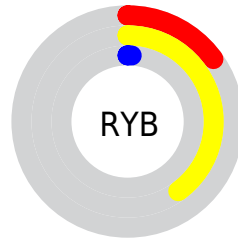
Distribution



Red (40%)

Green (30%)

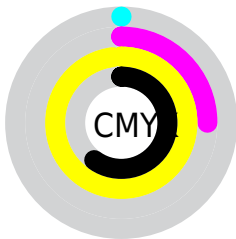
Blue (1%)



Red (15%)

Yellow (40%)

Blue (1%)

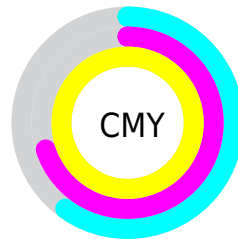


Cyan (0%)

Magenta (25%)

Yellow (98%)

Black (60%)



Cyan (60%)

Magenta (70%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 42.194, 84.044 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, 42.194, 84.044 by changing the saturation by 10% instead.

■ 34, 42.194, 84.044

■ 34, 42.194, 84.044

■ 100, 42.194,
84.044

■ 24, 42.194, 84.044

■ 54, 42.194, 84.044

■ 14, 42.194, 84.044

■ 64, 42.194, 84.044

■ 4, 42.194, 84.044

■ 74, 42.194, 84.044

■ 0, 42.194, 84.044

■ 84, 42.194, 84.044

■ 94, 42.194, 84.044

■ 34, 42.194, 84.044

■ 34, 42.194, 84.044

■ 34, 42.851, 83.782

■ 35, 39.364, 85.535

■ 36, 36.039, 86.996

■ 37, 31.983, 88.352

■ 37, 27.503, 89.650

■ 38, 22.808, 90.911

■ 39, 18.024, 92.142

■ 40, 13.225, 93.345

■ 41, 8.452, 94.515

■ 42, 3.727, 95.638

Harmonies

Complementary

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



34, 42.194, 84.044



14, 51.404, 297.846

Rectangle

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



34, 42.194, 84.044



34, 42.194, 134.044



34, 42.194, 264.044



34, 42.194, 314.044

Sweetspot

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



34, 42.193, 84.047



52, 17.007, 93.126



20, 43.935, 19.766



26, 11.591, 92.763



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



34, 42.193, 84.047



44, 51.541, 83.140



40, 50.441, 115.789



21, 2.620, 95.536



38, 46.510, 83.478



77, 80.300, 82.089

Inverse Universe

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



14, 51.404, 297.846



19, 65.191, 299.306



11, 65.350, 307.790



20, 2.638, 277.615



16, 57.886, 298.812



38, 106.448, 300.710

Previews

White Background



This preview shows how the CIELCh color 34, 42.194, 84.044 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 CIE LCh color 34, 42.194, 84.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

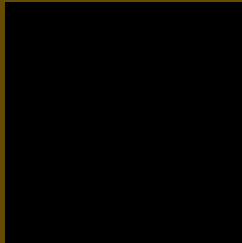
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 42.194, 84.044

Background



This preview shows how black text looks on a background with the CIELCh color 34, 42.194, 84.044.



This preview shows how white text looks on a background with the CIELCh color 34, 42.194, 84.044.

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, 42.194, 84.044

Protanopia

34, 40.465, 95.814

Deuteranopia

34, 42.903, 84.223



Tritanopia
34, 16.085, 11.098

Trichromacy



Original Color
34, 42.194, 84.044

Protanomaly
34, 40.638, 91.268

Deuteranomaly
34, 42.546, 84.134

Tritanomaly
34, 22.362, 61.935

Monochromacy



Original Color
34, 42.194, 84.044

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 17.623, 90.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 42.194, 84.044 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(102, 76, 2)` looks like.

```
.text, #text, p{  
    color:rgb(102, 76, 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(102, 76, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 76, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 42.194, 84.044 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(102, 76, 2) }
```

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

```
.border{ border-color:rgb(102, 76, 2) }
```

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

Here you see how a box with a 4 pixel rgb(102, 76, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 76, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 76, 2);  
box-shadow:4px 4px 4px 4px rgb(102, 76, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 42.194, 84.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 76, 2) }
```

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

```
.background{ background-color: rgb(102, 76,  
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