

Converting Colors

CIELCh(34, 42.402, 50.009)

Have a look what the booklet for
CIELCh(34, 42.402, 50.009) contains.

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Color

CIELCh(34, 42.391, 49.516)

Conversions

Conversions Part 1

Format	Color
Hex	813C1D
RGB	129, 60, 29
RGB Percent	51%, 24%, 11%
CMY	0.4936, 0.7643, 0.8859
CMYK	0.00, 0.53, 0.77, 0.49
HSL	19°, 63%, 31%
HSV	19°, 77%, 51%
XYZ	10.9158, 8.0082, 2.1390
YIQ	77.0970, 51.0750, 4.9870

Conversions

Conversions Part 2

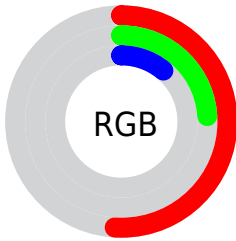
Format	Color
RYB	129, 74, 29
Decimal	8469533
CIELab	34.00, 27.52, 32.24
CIElCh	34, 42.391, 49.516
Yxy	8.0082, 0.5182, 0.3802
Android (android.graphics.Color)	4286659613 (0xFF813C1D)
YUV	77.0970, -23.7118, 45.5189
Hunter-Lab	28.2988, 19.3307, 15.3277

Details

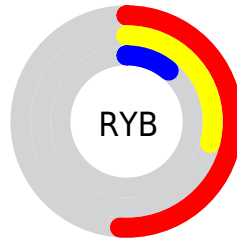
The CIELCh color **34, 42.391, 49.516** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **39, 25.424, 246.861**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 42.041, 49.460**, and **14, 35.262, 37.980** is the 20% darker color. If you saturate the color by 10%, you get **32, 48.672, 49.208**, and if you desaturate by 10%, it is **36, 35.913, 49.687**.

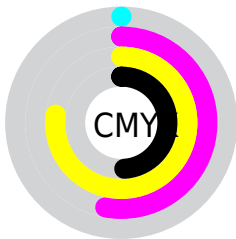
Distribution



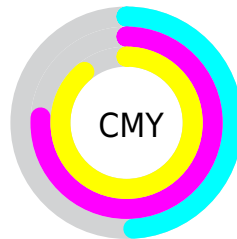
- Red (51%)
- Green (24%)
- Blue (11%)



- Red (51%)
- Yellow (29%)
- Blue (11%)



- Cyan (0%)
- Magenta (53%)
- Yellow (77%)
- Black (49%)



- Cyan (49%)
- Magenta (76%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 42.391, 49.516 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, 42.391, 49.516 by changing the saturation by 10% instead.

■ 34, 42.391, 49.516

■ 34, 42.391, 49.516

■ 100, 42.391,
49.516

■ 24, 42.391, 49.516

■ 54, 42.391, 49.516

■ 14, 42.391, 49.516

■ 64, 42.391, 49.516

■ 4, 42.391, 49.516

■ 74, 42.391, 49.516

■ 0, 42.391, 49.516

■ 84, 42.391, 49.516

■ 94, 42.391, 49.516

■ 34, 42.391, 49.516

■ 34, 42.391, 49.516

■ 32, 48.672, 49.208

■ 36, 35.913, 49.687

30, 54.359, 48.685

39, 29.593, 49.888

30, 55.772, 48.639

41, 23.581, 50.181

44, 17.937, 50.578

46, 12.671, 51.067

49, 7.768, 51.623

52, 3.203, 52.191

55, 1.055, 233.323

58, 5.038, 233.754

Harmonies

Complementary

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



34, 42.391, 49.516



39, 25.424, 246.861

Rectangle

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



34, 42.391, 49.516



34, 42.391, 99.516



34, 42.391, 229.516



34, 42.391, 279.516

Sweetspot

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



34, 42.390, 49.519



61, 12.988, 51.279



31, 51.407, 340.881



30, 9.049, 51.112



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



34, 42.390, 49.519



41, 64.260, 48.637



47, 44.832, 91.337



25, 2.407, 52.105



30, 55.187, 48.635



0, 0.000, 0.000

Inverse Universe

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



39, 25.424, 246.861



47, 34.834, 254.258



24, 52.483, 295.465



26, 2.300, 233.585



35, 29.315, 256.211



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 34, 42.391, 49.516 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, 42.391, 49.516 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, 42.391, 49.516

Background



This preview shows how black text looks on a background with the CIELCh color 34, 42.391, 49.516.



This preview shows how white text looks on a background with the CIELCh color 34, 42.391, 49.516.

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, 42.391, 49.516

Protanopia

34, 28.112, 96.019

Deuteranopia

34, 34.122, 83.086



Tritanopia
34, 34.529, 23.099

Trichromacy



Original Color
34, 42.391, 49.516

Protanomaly
34, 29.891, 73.243

Deuteranomaly
34, 35.308, 68.801

Tritanomaly
34, 36.556, 34.081

Monochromacy



Original Color
34, 42.391, 49.516

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 14.024, 50.152

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 42.391, 49.516 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(129, 60, 29)` looks like.

```
.text, #text, p{  
    color:rgb(129, 60, 29)  
}
```

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(129, 60, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 60, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 42.391, 49.516 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(129, 60, 29) }
```

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

```
.border{ border-color:rgb(129, 60, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 60, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 60, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 60, 29);  
box-shadow:4px 4px 4px 4px rgb(129, 60,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 42.391, 49.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 60, 29) }
```

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

```
.background{ background-color: rgb(129, 60,  
29) }
```

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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