

Converting Colors

CIELCh(34, 44.523, 49.630)

Have a look what the booklet for
CIELCh(34, 44.523, 49.630) contains.

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Color

CIELCh(34, 44.569, 49.775)

Conversions

Conversions Part 1

Format	Color
Hex	833B1A
RGB	131, 59, 26
RGB Percent	51%, 23%, 10%
CMY	0.4867, 0.7690, 0.8984
CMYK	0.00, 0.55, 0.80, 0.49
HSL	19°, 67%, 31%
HSV	19°, 80%, 51%
XYZ	11.0865, 8.0082, 1.9334
YIQ	76.7660, 53.5050, 5.0010

Conversions

Conversions Part 2

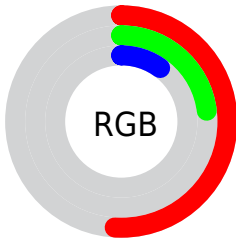
Format	Color
RYB	131, 74, 26
Decimal	8600346
CIELab	34.00, 28.78, 34.03
CIELCh	34, 44.569, 49.775
Yxy	8.0082, 0.5272, 0.3808
Android (android.graphics.Color)	4286790426 (0xFF833B1A)
YUV	76.7660, -25.0276, 47.5632
Hunter-Lab	28.2988, 20.4075, 15.7584

Details

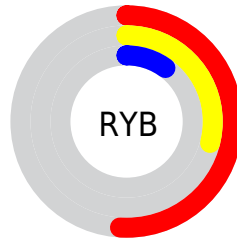
The CIELCh color **34, 44.569, 49.775** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **39, 26.371, 248.646**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 44.508, 49.543**, and **14, 36.162, 36.834** is the 20% darker color. If you saturate the color by 10%, you get **32, 50.731, 49.322**, and if you desaturate by 10%, it is **36, 38.046, 50.002**.

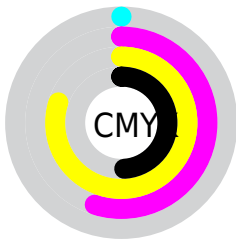
Distribution



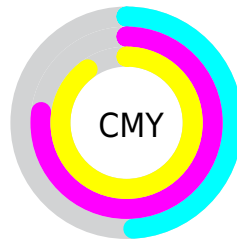
- Red (51%)
- Green (23%)
- Blue (10%)



- Red (51%)
- Yellow (29%)
- Blue (10%)



- Cyan (0%)
- Magenta (55%)
- Yellow (80%)
- Black (49%)



- Cyan (49%)
- Magenta (77%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 44.569, 49.775 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, 44.569, 49.775 by changing the saturation by 10% instead.

■ 34, 44.569, 49.775

■ 34, 44.569, 49.775

■ 100, 44.569,
49.775

■ 24, 44.569, 49.775

■ 54, 44.569, 49.775

■ 14, 44.569, 49.775

■ 64, 44.569, 49.775

■ 4, 44.569, 49.775

■ 74, 44.569, 49.775

■ 0, 44.569, 49.775

■ 84, 44.569, 49.775

■ 94, 44.569, 49.775

■ 34, 44.569, 49.775

■ 34, 44.569, 49.775

■ 32, 50.731, 49.322

■ 36, 38.046, 50.002

30, 56.288, 48.882

38, 31.606, 50.219

41, 25.445, 50.515

44, 19.643, 50.911

46, 14.221, 51.400

49, 9.171, 51.963

52, 4.468, 52.560

55, 0.083, 48.933

58, 4.018, 234.130

Harmonies

Complementary

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



34, 44.569, 49.775



39, 26.371, 248.646

Rectangle

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



34, 44.569, 49.775



34, 44.569, 99.775



34, 44.569, 229.775



34, 44.569, 279.775

Sweetspot

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



34, 44.568, 49.778



61, 13.762, 51.711



31, 52.889, 341.246



31, 9.636, 51.539



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



34, 44.568, 49.778



41, 66.738, 48.540



47, 46.467, 90.980



26, 2.487, 52.622



30, 55.992, 48.882



0, 0.579, 53.331

Inverse Universe

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



39, 26.371, 248.646



47, 36.115, 256.536



23, 55.161, 296.287



27, 2.377, 234.140



36, 29.965, 257.095



0, 0.579, 233.350

Previews

White Background



This preview shows how the CIELCh color 34, 44.569, 49.775 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, 44.569, 49.775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

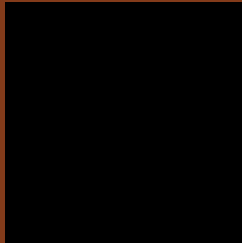
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 44.569, 49.775

Background



This preview shows how black text looks on a background with the CIELCh color 34, 44.569, 49.775.



This preview shows how white text looks on a background with the CIELCh color 34, 44.569, 49.775.

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, 44.569, 49.775

Protanopia

34, 29.703, 96.195

Deuteranopia

34, 36.093, 83.008



Tritanopia
34, 36.348, 22.853

Trichromacy



Original Color
34, 44.569, 49.775

Protanomaly
34, 31.661, 73.687

Deuteranomaly
34, 37.687, 67.980

Tritanomaly
34, 38.635, 34.093

Monochromacy



Original Color
34, 44.569, 49.775

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 15.308, 50.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 44.569, 49.775 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(131, 59, 26)` looks like.

```
.text, #text, p{  
    color:rgb(131, 59, 26)  
}
```

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(131, 59, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 59, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 44.569, 49.775 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(131, 59, 26) }
```

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

```
.border{ border-color:rgb(131, 59, 26) }
```

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

Here you see how a box with a 4 pixel rgb(131, 59, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 59, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 59, 26);  
box-shadow:4px 4px 4px 4px rgb(131, 59,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 44.569, 49.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 59, 26) }
```

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

```
.background{ background-color: rgb(131, 59,  
26) }
```

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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