

Converting Colors

CIELCh(19, 42.145, 33.103)

Have a look what the booklet for
CIELCh(19, 42.145, 33.103) contains.

CIELCh(19, 42.234, 33.179)	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(19, 42.234, 33.179)

Conversions

Conversions Part 1

Format	Color
Hex	5F0E0E
RGB	95, 14, 14
RGB Percent	37%, 5%, 5%
CMY	0.6289, 0.9467, 0.9465
CMYK	0.00, 0.86, 0.86, 0.63
HSL	360°, 75%, 21%
HSV	360°, 86%, 37%
XYZ	4.9095, 2.7468, 0.6744
YIQ	38.2190, 48.2760, 17.1720

Conversions

Conversions Part 2

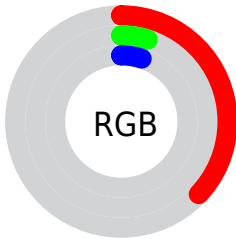
Format	Color
R_YB	95, 14, 14
Decimal	6229518
CIE Lab	19.00, 35.35, 23.11
CIE LCh	19, 42.234, 33.179
Yxy	2.7468, 0.5893, 0.3297
Android (android.graphics.Color)	4284419598 (0xFF5F0E0E)
YUV	38.2190, -11.9400, 49.7969
Hunter-Lab	16.5735, 23.8729, 9.1890

Details

The CIELCh color **19, 42.234, 33.179** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **36, 23.100, 196.426**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 42.099, 32.542**, and **5, 22.460, 18.874** is the 20% darker color. If you saturate the color by 10%, you get **18, 45.766, 34.483**, and if you desaturate by 10%, it is **20, 37.408, 30.510**.

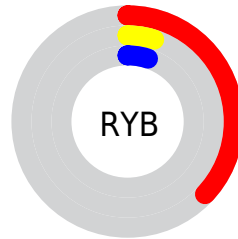
Distribution



Red (37%)

Green (5%)

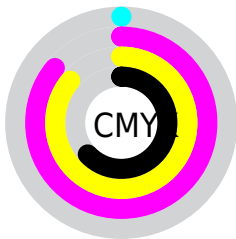
Blue (5%)



Red (37%)

Yellow (5%)

Blue (5%)

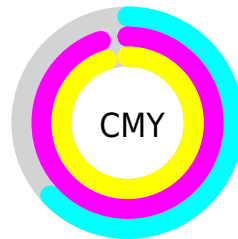


Cyan (0%)

Magenta (86%)

Yellow (86%)

Black (63%)



Cyan (63%)

Magenta (95%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 42.234, 33.179 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 19, 42.234, 33.179 by changing the saturation by 10% instead.

■ 19, 42.234, 33.179

■ 19, 42.234, 33.179

■ 100, 42.234,
33.179

■ 9, 42.234, 33.179

■ 39, 42.234, 33.179

■ 0, 42.234, 33.179

■ 49, 42.234, 33.179

■ 59, 42.234, 33.179

■ 69, 42.234, 33.179

■ 79, 42.234, 33.179

■ 89, 42.234, 33.179

■ 99, 42.234, 33.179

■ 19, 42.234, 33.179

■ 19, 42.234, 33.179

■ 18, 45.766, 34.483

■ 20, 37.408, 30.510

■ 18, 47.289, 34.887

■ 22, 32.022, 27.711

■ 24, 26.568, 25.439

■ 27, 21.203, 23.646

■ 30, 16.039, 22.246

■ 32, 11.146, 21.151

■ 35, 6.559, 20.282

■ 38, 2.282, 19.521

■ 42, 1.695, 199.320

Harmonies

Complementary

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



19, 42.234, 33.179



36, 23.100, 196.426

Rectangle

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



19, 42.234, 33.179



19, 42.234, 83.179



19, 42.234, 213.179



19, 42.234, 263.179

Sweetspot

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



19, 42.232, 33.181



42, 14.021, 21.263



22, 52.198, 327.434



19, 9.488, 21.485



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



19, 42.232, 33.181



24, 59.020, 37.958



27, 34.707, 63.480



18, 2.339, 19.775



22, 54.813, 37.078



50, 99.758, 39.977

Inverse Universe

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



19, 42.232, 33.181



24, 59.020, 37.958



23, 27.371, 273.560



18, 2.339, 19.775



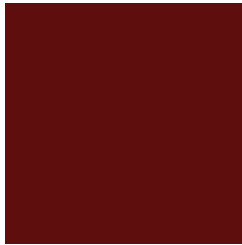
22, 54.813, 37.078



50, 99.758, 39.977

Previews

White Background



This preview shows how the CIE LCh color 19, 42.234, 33.179 looks on a white background.

Color Contrast Check

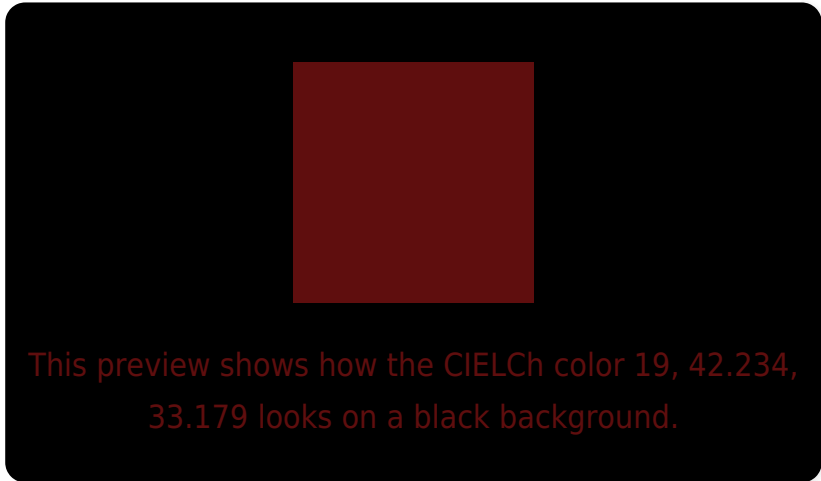
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 19, 42.234, 33.179

Background



This preview shows how black text looks on a background with the CIELCh color 19, 42.234, 33.179.



This preview shows how white text looks on a background with the CIELCh color 19, 42.234, 33.179.

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

19, 42.234, 33.179

Protanopia

20, 18.047, 97.203

Deuteranopia

20, 28.519, 85.193



Tritanopia
19, 42.696, 34.279

Trichromacy



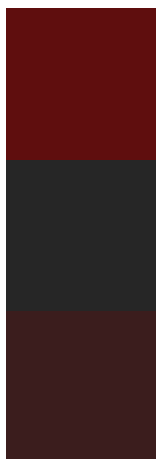
Original Color
19, 42.234, 33.179

Protanomaly
18, 22.691, 52.331

Deuteranomaly
18, 30.171, 56.177

Tritanomaly
19, 42.469, 33.746

Monochromacy



Original Color
19, 42.234, 33.179

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 16.019, 23.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 42.234, 33.179 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(95, 14, 14)` looks like.

```
.text, #text, p{  
    color:rgb(95, 14, 14)  
}
```

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(95, 14, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 14, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 42.234, 33.179 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(95, 14, 14) }
```

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

```
.border{ border-color:rgb(95, 14, 14) }
```

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

Here you see how a box with a 4 pixel rgb(95, 14, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 14, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 14, 14);  
box-shadow:4px 4px 4px 4px rgb(95, 14, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 42.234, 33.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 14, 14) }
```

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

```
.background{ background-color: rgb(95, 14,  
14) }
```

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