

Converting Colors

CIELCh(34, 12.180, 31.531)

Have a look what the booklet for
CIELCh(34, 12.180, 31.531) contains.

CIELCh(34, 12.357, 32.719)	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, 12.357, 32.719)

Conversions

Conversions Part 1

Format	Color
Hex	644A46
RGB	100, 74, 70
RGB Percent	39%, 29%, 27%
CMY	0.6087, 0.7106, 0.7263
CMYK	0.00, 0.26, 0.30, 0.61
HSL	8°, 18%, 33%
HSV	8°, 30%, 39%
XYZ	8.7671, 8.0082, 6.8458
YIQ	81.3180, 16.7800, 4.2680

Conversions

Conversions Part 2

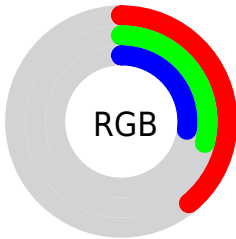
Format	Color
RYB	100, 75, 70
Decimal	6572614
CIELab	34.00, 10.40, 6.68
CIElCh	34, 12.357, 32.719
Yxy	8.0082, 0.3712, 0.3390
Android (android.graphics.Color)	4284762694 (0xFF644A46)
YUV	81.3180, -5.5798, 16.3841
Hunter-Lab	28.2988, 5.7772, 5.4662




Details

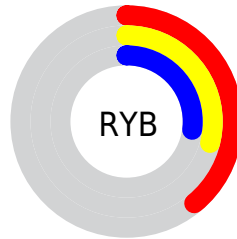
The CIELCh color **34, 12.357, 32.719** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **39, 10.136, 212.322**, and the grayscale version is **35, 0.005, 296.813**.




A 20% lighter version of the original color is **54, 12.529, 33.784**, and **14, 12.203, 32.364** is the 20% darker color. If you saturate the color by 10%, you get **31, 17.116, 33.274**, and if you desaturate by 10%, it is **37, 7.928, 32.350**.

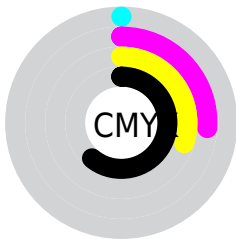
Distribution







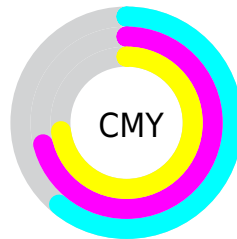
-  Red (39%)
-  Green (29%)
-  Blue (27%)






-  Red (39%)
-  Yellow (29%)
-  Blue (27%)



-  Cyan (0%)
-  Magenta (26%)
-  Yellow (30%)
-  Black (61%)



-  Cyan (61%)
-  Magenta (71%)
-  Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 12.357, 32.719 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, 12.357, 32.719 by changing the saturation by 10% instead.

■ 34, 12.357, 32.719

■ 34, 12.357, 32.719

■ 100, 12.357,
32.719

■ 24, 12.357, 32.719

■ 54, 12.357, 32.719

■ 14, 12.357, 32.719

■ 64, 12.357, 32.719

■ 4, 12.357, 32.719

■ 74, 12.357, 32.719

■ 0, 12.357, 32.719

■ 84, 12.357, 32.719

■ 94, 12.357, 32.719

■ 34, 12.357, 32.719

■ 34, 12.357, 32.719

■ 31, 17.116, 33.274

■ 37, 7.928, 32.350

■ 29, 22.201, 34.045

■ 39, 3.821, 32.087

■ 27, 27.574, 35.084

■ 42, 0.017, 12.448

■ 24, 33.159, 36.416

■ 45, 3.512, 212.136

■ 23, 38.807, 38.014

■ 48, 6.793, 212.128

■ 21, 43.770, 38.984

■ 51, 9.851, 212.198

■ 20, 47.622, 39.519

■ 54, 12.713,
212.311

■ 57, 15.402,
212.452

■ 59, 17.937,
212.613

Harmonies

Complementary

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



34, 12.357, 32.719



39, 10.136, 212.322

Rectangle

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



34, 12.357, 32.719



34, 12.357, 82.719



34, 12.357, 212.719



34, 12.357, 262.719

Sweetspot

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



34, 12.356, 32.726



51, 4.243, 32.067



34, 20.383, 329.986



26, 2.984, 32.094



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, 12.356, 32.726



42, 18.913, 33.089



38, 12.698, 84.717



20, 2.165, 32.059



24, 53.997, 40.604



52, 98.235, 41.503

Inverse Universe

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



39, 10.136, 212.322



49, 14.704, 212.530



34, 12.466, 272.709



21, 2.052, 212.138



38, 24.342, 219.940



78, 42.084, 221.587

Previews

White Background



This preview shows how the CIELCh color 34, 12.357, 32.719 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, 12.357, 32.719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

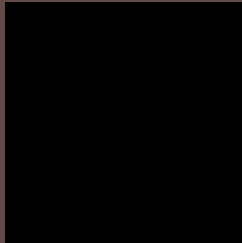
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 12.357, 32.719

Background



This preview shows how black text looks on a background with the CIELCh color 34, 12.357, 32.719.

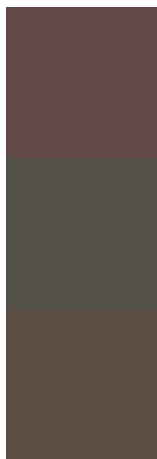


This preview shows how white text looks on a background with the CIELCh color 34, 12.357, 32.719.

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, 12.357, 32.719

Protanopia

34, 4.563, 92.333

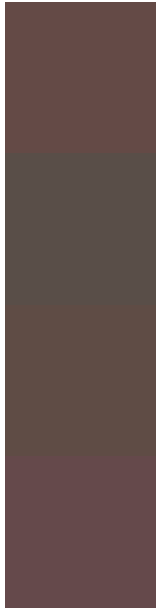
Deuteranopia

34, 8.580, 55.572



Tritanopia
34, 12.882, 7.646

Trichromacy



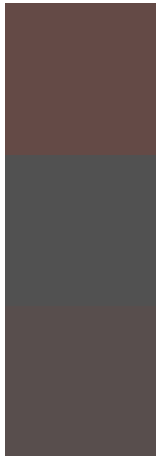
Original Color
34, 12.357, 32.719

Protanomaly
34, 6.254, 56.594

Deuteranomaly
34, 9.885, 46.574

Tritanomaly
34, 12.749, 15.912

Monochromacy



Original Color
34, 12.357, 32.719

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 4.476, 27.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 12.357, 32.719 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(100, 74, 70)` looks like.

```
.text, #text, p{  
    color:rgb(100, 74, 70)  
}
```

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(100, 74, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 74, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 12.357, 32.719 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(100, 74, 70) }
```

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

```
.border{ border-color:rgb(100, 74, 70) }
```

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

Here you see how a box with a 4 pixel rgb(100, 74, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 74, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 74, 70);  
box-shadow:4px 4px 4px 4px rgb(100, 74,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 12.357, 32.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 74, 70) }
```

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

```
.background{ background-color: rgb(100, 74,  
70) }
```

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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