

Converting Colors

CIELCh(41, 12.990, 103.185)

Have a look what the booklet for
CIELCh(41, 12.990, 103.185)
contains.

CIELCh(41, 12.715, 102.133)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(41, 12.715, 102.133)

Conversions

Conversions Part 1

Format	Color
Hex	64614C
RGB	100, 97, 76
RGB Percent	39%, 38%, 30%
CMY	0.6065, 0.6183, 0.7007
CMYK	0.00, 0.03, 0.24, 0.61
HSL	52°, 14%, 35%
HSV	52°, 24%, 39%
XYZ	10.9129, 11.8645, 8.6102
YIQ	95.5030, 8.5290, -5.8950

Conversions

Conversions Part 2

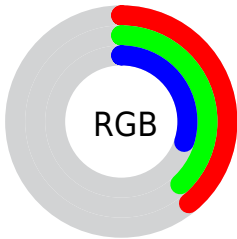
Format	Color
R_{YB}	79, 100, 76
Decimal	6578508
CIE _{Lab}	41.00, -2.67, 12.43
CIE _{LCh}	41, 12.715, 102.133
Yxy	11.8645, 0.3477, 0.3780
Android (android.graphics.Color)	4284768588 (0xFF64614C)
YUV	95.5030, -9.6150, 3.9439
Hunter-Lab	34.4449, -3.7261, 9.2907

Details

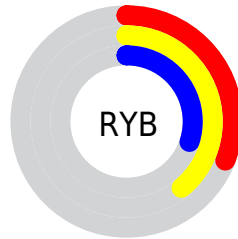
The CIELCh color **41, 12.715, 102.133** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **34, 13.196, 287.373**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 12.918, 103.254**, and **21, 12.699, 102.496** is the 20% darker color. If you saturate the color by 10%, you get **40, 18.000, 101.101**, and if you desaturate by 10%, it is **42, 7.400, 103.160**.

Distribution



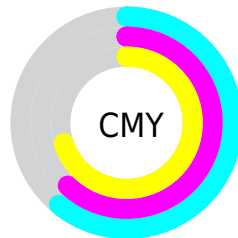
- Red (39%)
- Green (38%)
- Blue (30%)



- Red (31%)
- Yellow (39%)
- Blue (30%)



- Cyan (0%)
- Magenta (3%)
- Yellow (24%)
- Black (61%)





- Cyan (61%)
- Magenta (62%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 12.715, 102.133 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 41, 12.715, 102.133 by changing the saturation by 10% instead.


 41, 12.715,
102.133


 41, 12.715,
102.133


 100, 12.715,
102.133


 31, 12.715,
102.133


 61, 12.715,
102.133


 21, 12.715,
102.133


 71, 12.715,
102.133


 11, 12.715,
102.133


 81, 12.715,
102.133

 1, 12.715, 102.133

 91, 12.715,
102.133

 0, 12.715, 102.133

 41, 12.715,

 41, 12.715,

102.133

■ 40, 18.000,
101.101

■ 40, 23.202,
100.058

■ 39, 28.243, 99.021

■ 39, 32.996, 98.003

■ 38, 37.270, 97.015

■ 38, 40.802, 96.065

■ 38, 43.418, 95.152

■ 37, 45.044, 94.622

102.133

■ 42, 7.400, 103.160

■ 42, 2.083, 104.139

■ 43, 3.218, 285.171

■ 44, 8.490, 286.099

■ 44, 13.729,
287.002

■ 45, 18.928,
287.868

■ 46, 24.087,
288.693

■ 47, 29.204,
289.479

■ 47, 34.277,
290.223

Harmonies

Complementary

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



41, 12.715, 102.133



34, 13.196, 287.373

Rectangle

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



41, 12.715, 102.133



41, 12.715, 152.133



41, 12.715, 282.133



41, 12.715, 332.133

Sweetspot

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



41, 12.716, 102.138



54, 4.594, 103.829



35, 10.873, 10.659



28, 3.009, 103.798



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



41, 12.716, 102.138



52, 19.055, 101.527



41, 14.936, 123.109



21, 3.019, 103.659



42, 49.476, 94.479



85, 85.423, 93.910

Inverse Universe

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



34, 13.196, 287.373



42, 19.985, 288.232



34, 15.539, 305.567



19, 3.064, 285.509



13, 67.484, 303.594



33, 121.887, 304.767

Previews

White Background



This preview shows how the CIELCh color 41, 12.715, 102.133 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 × Fail

Black Background



This preview shows how the CIELCh color 41, 12.715, 102.133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

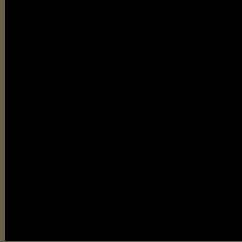
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

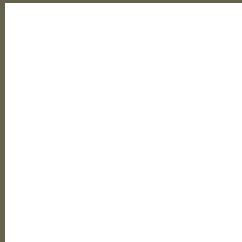
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 12.715, 102.133

Background



This preview shows how black text looks on a background with the CIELCh color 41, 12.715, 102.133.



This preview shows how white text looks on a background with the CIELCh color 41, 12.715, 102.133.

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

41, 12.715, 102.133

Protanopia

41, 12.933, 96.125

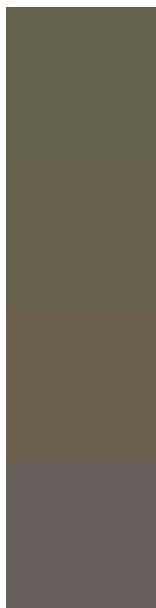
Deuteranopia

41, 13.422, 65.744



Tritanopia
41, 5.967, 334.867

Trichromacy



Original Color
41, 12.715, 102.133

Protanomaly
41, 12.844, 98.109

Deuteranomaly
41, 12.415, 80.089

Tritanomaly
41, 3.875, 47.582

Monochromacy



Original Color
41, 12.715, 102.133

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 4.316, 98.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 12.715, 102.133 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, 97, 76)` looks like.

```
.text, #text, p{  
    color:rgb(100, 97, 76)  
}
```

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, 97, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 97, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 12.715, 102.133 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, 97, 76) }
```

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

```
.border{ border-color:rgb(100, 97, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 97, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 97, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 97, 76);  
box-shadow:4px 4px 4px 4px rgb(100, 97,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 12.715, 102.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 97, 76) }
```

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

```
.background{ background-color: rgb(100, 97,  
76) }
```

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