

Converting Colors

CIELCh(39, 13.062, 83.839)

Have a look what the booklet for
CIELCh(39, 13.062, 83.839) contains.

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Color

CIELCh(39, 12.875, 82.864)

Conversions

Conversions Part 1

Format	Color
Hex	665A47
RGB	102, 90, 71
RGB Percent	40%, 35%, 28%
CMY	0.5989, 0.6460, 0.7205
CMYK	0.00, 0.12, 0.30, 0.60
HSL	37°, 18%, 34%
HSV	37°, 30%, 40%
XYZ	10.3374, 10.6589, 7.5187
YIQ	91.4220, 13.2510, -3.3650

Conversions

Conversions Part 2

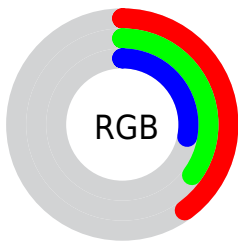
Format	Color
RYB	91, 102, 71
Decimal	6707783
CIELab	39.00, 1.60, 12.78
CIELCh	39, 12.875, 82.864
Yxy	10.6589, 0.3625, 0.3738
Android (android.graphics.Color)	4284897863 (0xFF665A47)
YUV	91.4220, -10.0680, 9.2769
Hunter-Lab	32.6480, -0.6151, 9.1994

Details

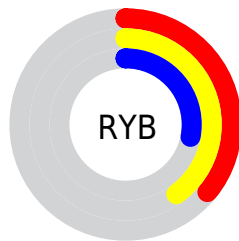
The CIELCh color **39, 12.875, 82.864** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **35, 12.535, 271.024**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **59, 13.054, 84.195**, and **19, 13.195, 85.579** is the 20% darker color. If you saturate the color by 10%, you get **38, 17.339, 81.585**, and if you desaturate by 10%, it is **40, 8.515, 84.120**.

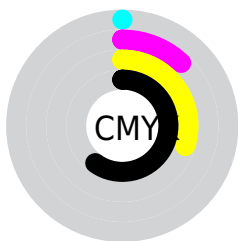
Distribution



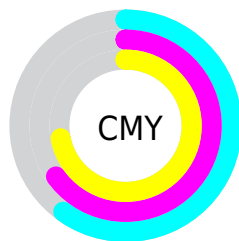
- Red (40%)
- Green (35%)
- Blue (28%)



- Red (36%)
- Yellow (40%)
- Blue (28%)



- Cyan (0%)
- Magenta (12%)
- Yellow (30%)
- Black (60%)



- Cyan (60%)
- Magenta (65%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 12.875, 82.864 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 39, 12.875, 82.864 by changing the saturation by 10% instead.

■ 39, 12.875, 82.864

■ 39, 12.875, 82.864

■ 100, 12.875,
82.864

■ 29, 12.875, 82.864

■ 59, 12.875, 82.864

■ 19, 12.875, 82.864

■ 69, 12.875, 82.864

■ 9, 12.875, 82.864

■ 79, 12.875, 82.864

■ 0, 12.875, 82.864

■ 89, 12.875, 82.864

■ 99, 12.875, 82.864

■ 39, 12.875, 82.864

■ 39, 12.875, 82.864

■ 38, 17.339, 81.585

■ 40, 8.515, 84.120

■ 36, 21.879, 80.264

■ 42, 4.266, 85.322

■ 35, 26.440, 78.899

■ 43, 0.128, 85.201

■ 34, 30.911, 77.462

■ 45, 3.904, 267.732

■ 33, 35.092, 75.897

■ 46, 7.838, 268.809

■ 31, 38.652, 74.089

■ 48, 11.681,
269.856

■ 30, 42.121, 72.509

■ 49, 15.441,
270.859

■ 51, 19.127,
271.817

■ 52, 22.744,
272.730

Harmonies

Complementary

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



39, 12.875, 82.864



35, 12.535, 271.024

Rectangle

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



39, 12.875, 82.864



39, 12.875, 132.864



39, 12.875, 262.864



39, 12.875, 312.864

Sweetspot

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



39, 12.875, 82.871



54, 4.595, 85.446



34, 15.519, 352.318



27, 3.172, 85.322



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



39, 12.875, 82.871



49, 19.080, 82.014



42, 18.492, 111.788



20, 2.309, 85.484



34, 45.786, 72.084



70, 79.580, 69.978

Inverse Universe

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



35, 12.535, 271.024



43, 18.463, 272.299



32, 19.778, 296.957



20, 2.298, 267.733



20, 47.400, 291.529



45, 87.576, 293.991

Previews

White Background



This preview shows how the CIELCh color 39, 12.875, 82.864 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 CIE LCh color 39, 12.875, 82.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

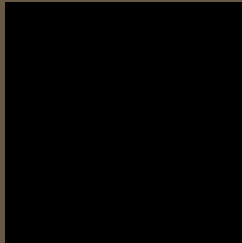
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

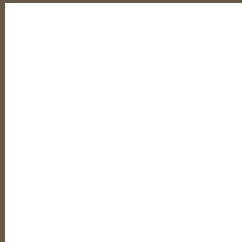
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 39, 12.875, 82.864

Background



This preview shows how black text looks on a background with the CIELCh color 39, 12.875, 82.864.

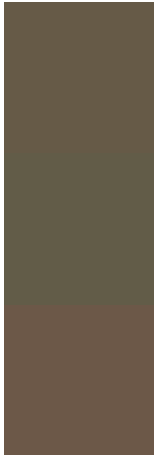


This preview shows how white text looks on a background with the CIELCh color 39, 12.875, 82.864.

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


39, 12.875, 82.864

Protanopia

39, 12.461, 95.543

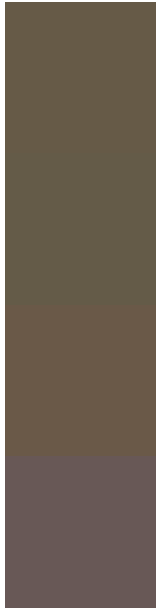
Deuteranopia

39, 13.579, 65.606



Tritanopia
39, 8.782, 351.608

Trichromacy



Original Color

39, 12.875, 82.864

Protanomaly

39, 12.296, 88.733

Deuteranomaly

39, 13.095, 71.665

Tritanomaly

39, 7.134, 30.110

Monochromacy



Original Color

39, 12.875, 82.864

Achromatopsia

39, 0.006, 296.813

Achromatomaly

39, 4.790, 82.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 12.875, 82.864 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(102, 90, 71)` looks like.

```
.text, #text, p{  
    color:rgb(102, 90, 71)  
}
```

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(102, 90, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 90, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 12.875, 82.864 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(102, 90, 71) }
```

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

```
.border{ border-color:rgb(102, 90, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 90, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 90, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 90, 71);  
box-shadow:4px 4px 4px 4px rgb(102, 90,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 12.875, 82.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 90, 71) }
```

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

```
.background{ background-color: rgb(102, 90,  
71) }
```

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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