

Converting Colors

CIELCh(40, 21.684, 90.998)

Have a look what the booklet for
CIELCh(40, 21.684, 90.998) contains.

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Color

CIELCh(40, 21.439, 90.118)

Conversions

Conversions Part 1

Format	Color
Hex	6A5D3B
RGB	106, 93, 59
RGB Percent	42%, 36%, 23%
CMY	0.5836, 0.6346, 0.7680
CMYK	0.00, 0.12, 0.44, 0.58
HSL	43°, 28%, 32%
HSV	43°, 44%, 42%
XYZ	10.6878, 11.2510, 5.7678
YIQ	93.0110, 18.6620, -7.8180

Conversions

Conversions Part 2

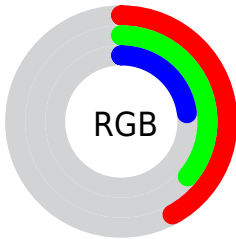
Format	Color
RYB	77, 106, 59
Decimal	6970683
CIELab	40.00, -0.04, 21.44
CIELCh	40, 21.439, 90.118
Yxy	11.2510, 0.3858, 0.4061
Android (android.graphics.Color)	4285160763 (0xFF6A5D3B)
YUV	93.0110, -16.7674, 11.3914
Hunter-Lab	33.5425, -1.8228, 13.2845

Details

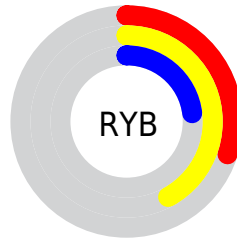
The CIELCh color **40, 21.439, 90.118** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **31, 21.920, 282.267**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 21.224, 90.145**, and **20, 21.123, 89.864** is the 20% darker color. If you saturate the color by 10%, you get **39, 26.299, 88.845**, and if you desaturate by 10%, it is **41, 16.535, 91.368**.

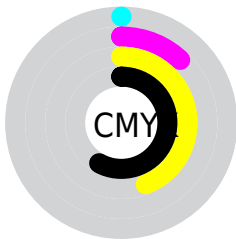
Distribution



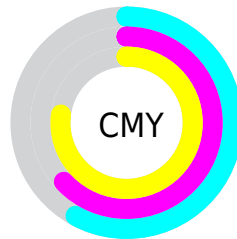
- Red (42%)
- Green (36%)
- Blue (23%)



- Red (30%)
- Yellow (42%)
- Blue (23%)



- Cyan (0%)
- Magenta (12%)
- Yellow (44%)
- Black (58%)



- Cyan (58%)
- Magenta (63%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 21.439, 90.118 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 40, 21.439, 90.118 by changing the saturation by 10% instead.

■ 40, 21.439, 90.118 ■ 40, 21.439, 90.118

■ 100, 21.439, 90.118 ■ 30, 21.439, 90.118

■ 60, 21.439, 90.118 ■ 20, 21.439, 90.118

■ 70, 21.439, 90.118 ■ 10, 21.439, 90.118

■ 80, 21.439, 90.118 ■ 0, 21.439, 90.118

■ 90, 21.439, 90.118

■ 40, 21.439, 90.118 ■ 40, 21.439, 90.118

■ 39, 26.299, 88.845 ■ 41, 16.535, 91.368

■ 38, 31.007, 87.530 ■ 42, 11.645, 92.581

■ 37, 35.383, 86.157

■ 43, 6.802, 93.756

■ 36, 39.144, 84.684

■ 44, 2.021, 94.856

■ 35, 42.047, 83.069

■ 46, 2.692, 276.072

■ 35, 43.840, 82.233

■ 47, 7.335, 277.104

■ 48, 11.910,
278.114

■ 49, 16.420,
279.081

■ 50, 20.868,
280.003

Harmonies

Complementary

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



40, 21.439, 90.118



31, 21.920, 282.267

Rectangle

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



40, 21.439, 90.118



40, 21.439, 140.118



40, 21.439, 270.118



40, 21.439, 320.118

Sweetspot

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



40, 21.440, 90.122



56, 7.659, 93.862



31, 22.536, 2.315



28, 5.326, 93.667



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 21.440, 90.122



50, 31.785, 88.823



43, 27.846, 115.887



22, 2.684, 94.357



38, 47.019, 81.962



77, 80.601, 80.512

Inverse Universe

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



31, 21.920, 282.267



37, 32.879, 284.562



28, 30.705, 302.263



21, 2.698, 276.485



17, 57.586, 298.113



39, 105.010, 300.024

Previews

White Background



This preview shows how the CIELCh color 40, 21.439, 90.118 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 40, 21.439, 90.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

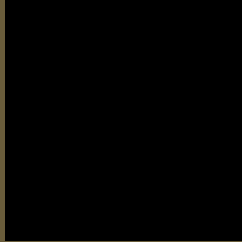
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 21.439, 90.118

Background



This preview shows how black text looks on a background with the CIELCh color 40, 21.439, 90.118.

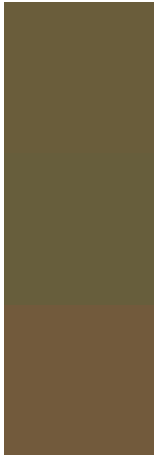


This preview shows how white text looks on a background with the CIELCh color 40, 21.439, 90.118.

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


40, 21.439, 90.118

Protanopia

40, 20.891, 95.174

Deuteranopia

40, 21.749, 75.263



Tritanopia
40, 9.896, 355.463

Trichromacy



Original Color
40, 21.439, 90.118

Protanomaly
40, 21.002, 93.901

Deuteranomaly
40, 21.209, 80.336

Tritanomaly
40, 9.438, 51.018

Monochromacy



Original Color
40, 21.439, 90.118

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 7.618, 92.132

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 21.439, 90.118 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(106, 93, 59)` looks like.

```
.text, #text, p{  
    color:rgb(106, 93, 59)  
}
```

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(106, 93, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 93, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 21.439, 90.118 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(106, 93, 59) }
```

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

```
.border{ border-color:rgb(106, 93, 59) }
```

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

Here you see how a box with a 4 pixel rgb(106, 93, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 93, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 93, 59);  
box-shadow:4px 4px 4px 4px rgb(106, 93,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 21.439, 90.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 93, 59) }
```

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

```
.background{ background-color: rgb(106, 93,  
59) }
```

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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