

Converting Colors

CIELCh(40, 37.811, 127.906)

Have a look what the booklet for
CIELCh(40, 37.811, 127.906)
contains.

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Color

CIELCh(40, 37.652, 127.752)

Conversions

Conversions Part 1

Format	Color
Hex	47672B
RGB	71, 103, 43
RGB Percent	28%, 40%, 17%
CMY	0.7210, 0.5955, 0.8308
CMYK	0.31, 0.00, 0.58, 0.60
HSL	92°, 41%, 29%
HSV	92°, 58%, 40%
XYZ	7.9132, 11.2510, 4.0536
YIQ	86.5920, 0.1880, -25.4440

Conversions

Conversions Part 2

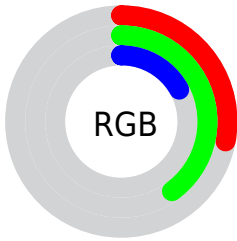
Format	Color
RYB	43, 103, 75
Decimal	4679467
CIELab	40.00, -23.05, 29.77
CIELCh	40, 37.652, 127.752
Yxy	11.2510, 0.3408, 0.4846
Android (android.graphics.Color)	4282869547 (0xFF47672B)
YUV	86.5920, -21.4909, -13.6742
Hunter-Lab	33.5425, -16.5884, 16.3146

Details

The CIELCh color **40, 37.652, 127.752** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **24, 40.556, 312.843**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 37.323, 128.037**, and **20, 35.828, 129.316** is the 20% darker color. If you saturate the color by 10%, you get **40, 43.277, 127.500**, and if you desaturate by 10%, it is **41, 31.574, 128.129**.

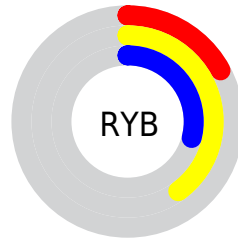
Distribution



Red (28%)

Green (40%)

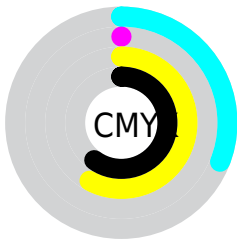
Blue (17%)



Red (17%)

Yellow (40%)

Blue (29%)

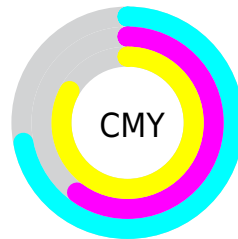


Cyan (31%)

Magenta (0%)

Yellow (58%)

Black (60%)



Cyan (72%)


Magenta (60%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 37.652, 127.752 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, 37.652, 127.752 by changing the saturation by 10% instead.


 40, 37.652,
127.752


 40, 37.652,
127.752


 100, 37.652,
127.752


 30, 37.652,
127.752

 60, 37.652,
127.752


 20, 37.652,
127.752


 70, 37.652,
127.752


 10, 37.652,
127.752

 80, 37.652,
127.752

 0, 37.652, 127.752

 90, 37.652,
127.752

 40, 37.652,

 40, 37.652,

127.752

127.752

■ 40, 43.277,
127.500

■ 41, 31.574,
128.129

■ 39, 48.228,
127.459

■ 41, 25.208,
128.566

■ 39, 52.252,
127.735

■ 42, 18.674,
129.022

■ 39, 55.576,
128.170

■ 42, 12.055,
129.473

■ 38, 56.201,
128.212

■ 43, 5.412, 129.910

■ 44, 1.210, 310.228

■ 45, 7.782, 310.650

■ 45, 14.280,
310.988

■ 46, 20.688,

Harmonies

Complementary

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



40, 37.652, 127.752



24, 40.556, 312.843

Rectangle

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



40, 37.652, 127.752



40, 37.652, 177.752



40, 37.652, 307.752



40, 37.652, 357.752

Sweetspot

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



40, 37.653, 127.753



55, 14.075, 129.503



34, 24.653, 70.185



28, 9.489, 129.442



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, 37.653, 127.753



51, 54.932, 127.454



39, 42.592, 140.248



21, 3.683, 129.878



43, 60.729, 128.413



86, 106.351, 129.377

Inverse Universe

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



24, 40.556, 312.843



28, 60.244, 313.308



28, 42.240, 327.730



19, 3.726, 310.572



17, 68.435, 313.159



40, 119.376, 312.490

Previews

White Background



This preview shows how the CIELCh color 40, 37.652, 127.752 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, 37.652, 127.752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

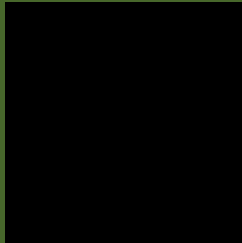
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 37.652, 127.752

Background



This preview shows how black text looks on a background with the CIELCh color 40, 37.652, 127.752.



This preview shows how white text looks on a background with the CIELCh color 40, 37.652, 127.752.

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

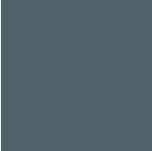
40, 37.652, 127.752

Protanopia

40, 32.109, 95.443

Deuteranopia

40, 29.068, 79.809



Tritanopia
40, 8.044, 236.268

Trichromacy



Original Color
40, 37.652, 127.752

Protanomaly
40, 32.588, 108.526

Deuteranomaly
40, 28.995, 100.826

Tritanomaly
40, 13.497, 151.675

Monochromacy



Original Color
40, 37.652, 127.752

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 14.448, 129.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 37.652, 127.752 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(71, 103, 43)` looks like.

```
.text, #text, p{  
    color:rgb(71, 103, 43)  
}
```

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(71, 103, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 103, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 37.652, 127.752 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(71, 103, 43) }
```

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

```
.border{ border-color:rgb(71, 103, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 103, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 103, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 103, 43);  
box-shadow:4px 4px 4px 4px rgb(71, 103,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 37.652, 127.752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 103, 43) }
```

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

```
.background{ background-color: rgb(71, 103,  
43) }
```

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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