

Converting Colors

CIELCh(42, 40.533, 159.254)

Have a look what the booklet for
CIELCh(42, 40.533, 159.254)
contains.

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Color

CIELCh(42, 40.727, 159.043)

Conversions

Conversions Part 1

Format	Color
Hex	01724A
RGB	1, 114, 74
RGB Percent	0%, 45%, 29%
CMY	0.9974, 0.5535, 0.7103
CMYK	0.99, 0.00, 0.35, 0.55
HSL	159°, 99%, 22%
HSV	159°, 99%, 45%
XYZ	7.2416, 12.5000, 8.4869
YIQ	75.6530, -54.5080, -36.3960

Conversions

Conversions Part 2

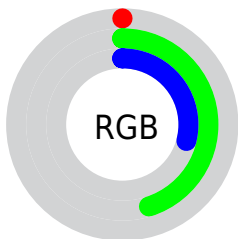
Format	Color
RYB	1, 70, 114
Decimal	94794
CIELab	42.00, -38.03, 14.57
CIELCh	42, 40.727, 159.043
Yxy	12.5000, 0.2565, 0.4428
Android (android.graphics.Color)	4278284874 (0xFF01724A)
YUV	75.6530, -0.8149, -65.4707
Hunter-Lab	35.3553, -25.3109, 10.5163

Details

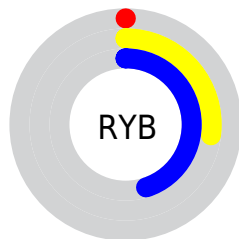
The CIELCh color **42, 40.727, 159.043** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **23, 46.802, 13.323**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 40.870, 159.097**, and **23, 32.607, 150.355** is the 20% darker color. If you saturate the color by 10%, you get **42, 40.874, 158.937**, and if you desaturate by 10%, it is **42, 38.262, 160.944**.

Distribution



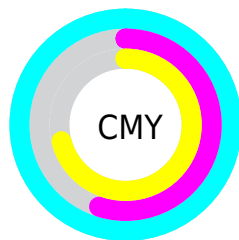
- Red (0%)
- Green (45%)
- Blue (29%)



- Red (0%)
- Yellow (27%)
- Blue (45%)



- Cyan (99%)
- Magenta (0%)
- Yellow (35%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 40.727, 159.043 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 42, 40.727, 159.043 by changing the saturation by 10% instead.


 42, 40.727,
159.043


 42, 40.727,
159.043


 100, 40.727,
159.043


 32, 40.727,
159.043

 62, 40.727,
159.043


 22, 40.727,
159.043

 72, 40.727,
159.043

 12, 40.727,
159.043

 82, 40.727,
159.043

 2, 40.727, 159.043

 92, 40.727,
159.043

 0, 40.727, 159.043

 42, 40.727,

 42, 40.727,

159.043

159.043

■ 42, 40.874,
158.937

■ 42, 38.262,
160.944

■ 42, 35.493,
162.806

■ 43, 32.232,
164.481

■ 43, 28.497,
165.983

■ 44, 24.336,
167.330

■ 44, 19.817,
168.545

■ 45, 15.017,
169.649

■ 46, 10.015,
170.665

Harmonies

Complementary

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



42, 40.727, 159.043



23, 46.802, 13.323

Rectangle

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



42, 40.727, 159.043



42, 40.727, 209.043



42, 40.727, 339.043



42, 40.727, 29.043

Sweetspot

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



42, 40.727, 159.043



58, 18.948, 169.504



42, 61.952, 131.126



29, 12.785, 169.156



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 40.727, 159.043



54, 49.900, 158.308



38, 24.174, 219.795



23, 2.885, 171.664



44, 42.496, 158.802



87, 74.315, 157.430

Inverse Universe

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



23, 46.802, 13.323



31, 56.973, 15.095



23, 53.380, 40.478



22, 2.945, 353.102



24, 48.763, 13.883



52, 84.196, 17.273

Previews

White Background



This preview shows how the CIELCh color 42, 40.727, 159.043 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 42, 40.727, 159.043 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 42, 40.727, 159.043

Background



This preview shows how black text looks on a background with the CIELCh color 42, 40.727, 159.043.



This preview shows how white text looks on a background with the CIELCh color 42, 40.727, 159.043.

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


42, 40.727, 159.043

Protanopia

42, 19.472, 96.261

Deuteranopia

42, 13.830, 67.328



Tritanopia
42, 21.589, 210.185

Trichromacy



Original Color
42, 40.727, 159.043

Protanomaly
41, 26.064, 142.849

Deuteranomaly
40, 20.026, 145.503

Tritanomaly
42, 26.992, 183.290

Monochromacy



Original Color
42, 40.727, 159.043

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 18.536, 168.695

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 40.727, 159.043 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(1, 114, 74)` looks like.

```
.text, #text, p{  
    color:rgb(1, 114, 74)  
}
```

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(1, 114, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 114, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 40.727, 159.043 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(1, 114, 74) }
```

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

```
.border{ border-color:rgb(1, 114, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 114, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 114, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 114, 74);  
box-shadow:4px 4px 4px 4px rgb(1, 114, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 40.727, 159.043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 114, 74) }
```

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

```
.background{ background-color: rgb(1, 114,  
74) }
```

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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