

Converting Colors

CIELCh(42, 39.835, 160.159)

Have a look what the booklet for
CIELCh(42, 39.835, 160.159)
contains.

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Color

CIELCh(42, 39.818, 160.236)

Conversions

Conversions Part 1

Format	Color
Hex	01724C
RGB	1, 114, 76
RGB Percent	0%, 45%, 30%
CMY	0.9947, 0.5540, 0.7029
CMYK	0.99, 0.00, 0.33, 0.55
HSL	160°, 98%, 23%
HSV	160°, 99%, 45%
XYZ	7.2992, 12.5000, 8.8197
YIQ	75.8810, -55.1500, -35.7740

Conversions

Conversions Part 2

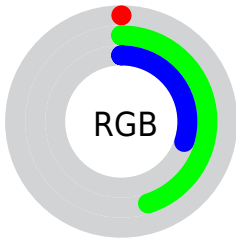
Format	Color
RYB	1, 69, 114
Decimal	94796
CIELab	42.00, -37.47, 13.46
CIElCh	42, 39.818, 160.236
Yxy	12.5000, 0.2550, 0.4368
Android (android.graphics.Color)	4278284876 (0xFF01724C)
YUV	75.8810, 0.0587, -65.6706
Hunter-Lab	35.3553, -25.0202, 9.9583

Details

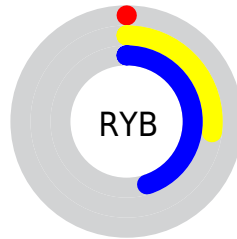
The CIELCh color **42, 39.818, 160.236** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **23, 46.760, 14.483**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 40.098, 160.272**, and **23, 31.659, 151.842** is the 20% darker color. If you saturate the color by 10%, you get **42, 40.104, 160.024**, and if you desaturate by 10%, it is **42, 37.436, 162.130**.

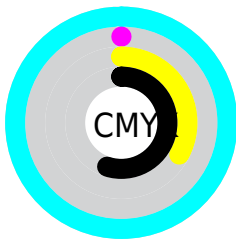
Distribution



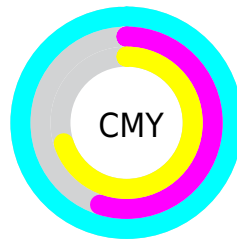
- Red (0%)
- Green (45%)
- Blue (30%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (33%)
- Black (55%)





- Cyan (99%)
- Magenta (55%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 39.818, 160.236 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, 39.818, 160.236 by changing the saturation by 10% instead.


 42, 39.818,
160.236


 42, 39.818,
160.236


 100, 39.818,
160.236


 32, 39.818,
160.236

 62, 39.818,
160.236


 22, 39.818,
160.236

 72, 39.818,
160.236

 12, 39.818,
160.236

 82, 39.818,
160.236

 2, 39.818, 160.236

 92, 39.818,
160.236

 0, 39.818, 160.236

 42, 39.818,

 42, 39.818,

160.236

160.236

■ 42, 40.104,
160.024

■ 42, 37.436,
162.130

■ 42, 34.726,
163.962

■ 43, 31.524,
165.611

■ 43, 27.847,
167.090

■ 44, 23.746,
168.419

■ 44, 19.286,
169.621

■ 45, 14.545,
170.717

■ 46, 9.601, 171.727

Harmonies

Complementary

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



42, 39.818, 160.236



23, 46.760, 14.483

Rectangle

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



42, 39.818, 160.236



42, 39.818, 210.236



42, 39.818, 340.236



42, 39.818, 30.236

Sweetspot

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



42, 39.818, 160.236



58, 18.736, 170.508



42, 61.967, 131.508



29, 12.639, 170.161



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, 39.818, 160.236



54, 48.986, 159.397



37, 23.978, 223.041



23, 2.857, 172.670



44, 41.728, 159.887



87, 72.917, 158.527

Inverse Universe

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



23, 46.760, 14.483



31, 57.245, 16.530



24, 52.781, 40.951



22, 2.920, 354.115



24, 48.961, 15.300



52, 84.705, 18.733

Previews

White Background



This preview shows how the CIELCh color 42, 39.818, 160.236 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, 39.818, 160.236 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, 39.818, 160.236

Background



This preview shows how black text looks on a background with the CIELCh color 42, 39.818, 160.236.



This preview shows how white text looks on a background with the CIELCh color 42, 39.818, 160.236.

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, 39.886, 160.295

Protanopia

42, 18.319, 95.799

Deuteranopia

42, 12.906, 64.147



Tritanopia
42, 21.770, 210.057

Trichromacy



Original Color
42, 39.886, 160.295

Protanomaly
41, 24.847, 143.732

Deuteranomaly
40, 18.802, 146.783

Tritanomaly
42, 26.866, 184.569

Monochromacy



Original Color
42, 39.886, 160.295

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 18.517, 168.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 39.818, 160.236 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, 76)` looks like.

```
.text, #text, p{  
    color:rgb(1, 114, 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(1, 114, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 114, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 39.818, 160.236 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, 76) }
```

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

```
.border{ border-color:rgb(1, 114, 76) }
```

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, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 114, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 114, 76);  
box-shadow:4px 4px 4px 4px rgb(1, 114, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 39.818, 160.236 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, 76) }
```

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

```
.background{ background-color: rgb(1, 114,  
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](#).

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