

Converting Colors

CIELCh(40, 44.372, 152.541)

Have a look what the booklet for
CIELCh(40, 44.372, 152.541)
contains.

CIELCh(40, 44.443, 152.456)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 44.443, 152.456)

Conversions

Conversions Part 1

Format	Color
Hex	016D3B
RGB	1, 109, 59
RGB Percent	0%, 43%, 23%
CMY	0.9964, 0.5727, 0.7688
CMYK	0.99, 0.00, 0.46, 0.57
HSL	152°, 98%, 22%
HSV	152°, 99%, 43%
XYZ	6.2649, 11.2510, 5.9746
YIQ	71.0080, -48.3180, -38.4460

Conversions

Conversions Part 2

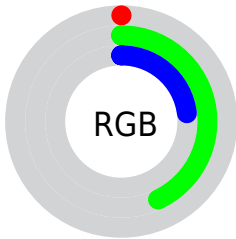
Format	Color
RYB	1, 71, 109
Decimal	93499
CIELab	40.00, -39.41, 20.55
CIELCh	40, 44.443, 152.456
Yxy	11.2510, 0.2667, 0.4790
Android (android.graphics.Color)	4278283579 (0xFF016D3B)
YUV	71.0080, -5.9199, -61.3970
Hunter-Lab	33.5425, -25.3601, 12.9189

Details

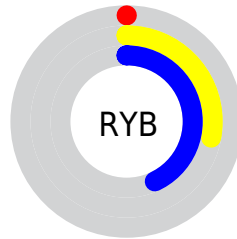
The CIELCh color **40, 44.443, 152.456** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 45.053, 2.885**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 44.624, 152.300**, and **21, 36.503, 142.641** is the 20% darker color. If you saturate the color by 10%, you get **40, 44.695, 152.306**, and if you desaturate by 10%, it is **40, 41.473, 154.370**.

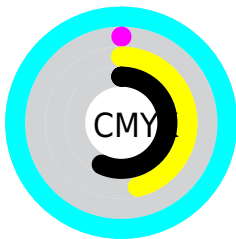
Distribution



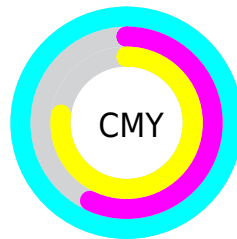
- Red (0%)
- Green (43%)
- Blue (23%)



- Red (0%)
- Yellow (28%)
- Blue (43%)



- Cyan (99%)
- Magenta (0%)
- Yellow (46%)
- Black (57%)



- Cyan (100%)
- Magenta (57%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 44.443, 152.456 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, 44.443, 152.456 by changing the saturation by 10% instead.

 40, 44.443,
152.456

 40, 44.443,
152.456

 100, 44.443,
152.456

 30, 44.443,
152.456

 60, 44.443,
152.456

 20, 44.443,
152.456

 70, 44.443,
152.456

 10, 44.443,
152.456

 80, 44.443,
152.456

 0, 44.443, 152.456

 90, 44.443,
152.456

 40, 44.443,

 40, 44.443,

152.456

■ 40, 44.695,
152.306

152.456

■ 40, 41.473,
154.370

■ 40, 38.197,
156.267

■ 41, 34.444,
157.971

■ 41, 30.242,
159.491

■ 42, 25.651,
160.845

■ 42, 20.745,
162.051

■ 43, 15.605,
163.133

■ 44, 10.311,
164.113

Harmonies

Complementary

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



40, 44.443, 152.456



22, 45.053, 2.885

Rectangle

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



40, 44.443, 152.456



40, 44.443, 202.456



40, 44.443, 332.456



40, 44.443, 22.456

Sweetspot

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



40, 44.443, 152.456



56, 20.018, 162.959



41, 58.192, 128.294



28, 13.523, 162.627



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 44.443, 152.456



52, 55.026, 151.614



40, 25.589, 201.487



22, 2.987, 165.040



43, 47.290, 152.100



85, 83.734, 150.654

Inverse Universe

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



22, 45.053, 2.885



30, 54.866, 4.520



21, 52.659, 37.488



21, 3.028, 346.379



24, 47.647, 3.555



52, 81.852, 6.489

Previews

White Background



This preview shows how the CIELCh color 40, 44.443, 152.456 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, 44.443, 152.456 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, 44.443, 152.456

Background



This preview shows how black text looks on a background with the CIELCh color 40, 44.443, 152.456.



This preview shows how white text looks on a background with the CIELCh color 40, 44.443, 152.456.

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, 44.443, 152.456

Protanopia

40, 24.312, 96.154

Deuteranopia

40, 19.393, 73.356



Tritanopia
40, 20.048, 211.437

Trichromacy



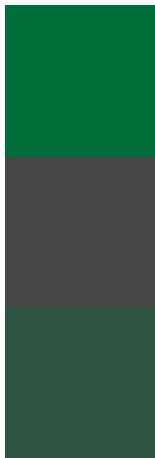
Original Color
40, 44.443, 152.456

Protanomaly
38, 29.606, 135.650

Deuteranomaly
38, 23.885, 134.532

Tritanomaly
40, 26.676, 178.827

Monochromacy



Original Color
40, 44.443, 152.456

Achromatopsia
30, 0.005, 296.813

Achromatomaly
33, 19.638, 161.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 44.443, 152.456 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, 109, 59)` looks like.

```
.text, #text, p{  
    color:rgb(1, 109, 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(1, 109, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 109, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 44.443, 152.456 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, 109, 59) }
```

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

```
.border{ border-color:rgb(1, 109, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 109, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 109, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 109, 59);  
box-shadow:4px 4px 4px 4px rgb(1, 109, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 44.443, 152.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 109, 59) }
```

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

```
.background{ background-color: rgb(1, 109,  
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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