

Converting Colors

CIELCh(40, 42.456, 155.388)

Have a look what the booklet for
CIELCh(40, 42.456, 155.388)
contains.

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Color

CIELCh(40, 42.339, 155.185)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 006D40 |
| RGB | 0, 109, 64 |
| RGB Percent | 0%, 43%, 25% |
| CMY | 1.0000, 0.5735, 0.7499 |
| CMYK | 1.00, 0.00, 0.41, 0.57 |
| HSL | 155°, 100%, 21% |
| HSV | 155°, 100%, 43% |
| XYZ | 6.3561, 11.2510, 6.6552 |
| YIQ | 71.2790, -50.5190, -37.1030 |

Conversions

Conversions Part 2

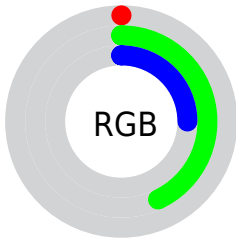
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 0, 69, 109 |
| Decimal | 27968 |
| CIELab | 40.00, -38.43, 17.77 |
| CIELCh | 40, 42.339, 155.185 |
| Yxy | 11.2510, 0.2620, 0.4637 |
| Android (android.graphics.Color) | 4278218048 (0xFF006D40) |
| YUV | 71.2790, -3.5885, -62.5117 |
| Hunter-Lab | 33.5425, -24.8745, 11.7160 |

Details

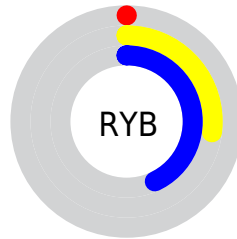
The CIELCh color **40, 42.339, 155.185** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 45.086, 7.675**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 42.761, 154.998**, and **21, 34.323, 145.413** is the 20% darker color. If you saturate the color by 10%, you get **40, 42.302, 155.149**, and if you desaturate by 10%, it is **40, 39.577, 157.039**.

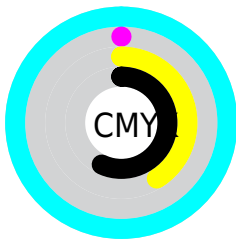
Distribution



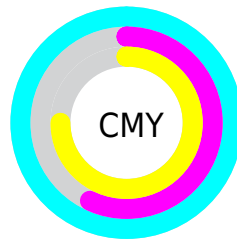
- Red (0%)
- Green (43%)
- Blue (25%)



- Red (0%)
- Yellow (27%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (57%)





- Cyan (100%)
- Magenta (57%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 42.339, 155.185 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, 42.339, 155.185 by changing the saturation by 10% instead.


 40, 42.339,
155.185


 40, 42.339,
155.185


 100, 42.339,
155.185


 30, 42.339,
155.185

 60, 42.339,
155.185


 20, 42.339,
155.185

 70, 42.339,
155.185

 10, 42.339,
155.185

 80, 42.339,
155.185

 0, 42.339, 155.185

 90, 42.339,
155.185

 40, 42.339,

 40, 42.339,

155.185

■ 40, 42.302,
155.149

155.185

■ 40, 39.577,
157.039

■ 40, 36.597,
158.938

■ 41, 33.146,
160.647

■ 41, 29.244,
162.175

■ 42, 24.943,
163.540

■ 42, 20.311,
164.763

■ 43, 15.427,
165.865

■ 44, 10.367,
166.870

Harmonies

Complementary

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



40, 42.339, 155.185



22, 45.086, 7.675

Rectangle

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



40, 42.339, 155.185



40, 42.339, 205.185



40, 42.339, 335.185



40, 42.339, 25.185

Sweetspot

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



40, 42.302, 155.149



55, 18.989, 165.782



40, 59.280, 129.773



28, 13.009, 165.441



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, 42.302, 155.149



51, 51.395, 154.496



38, 24.257, 210.141



22, 2.887, 167.903



43, 44.812, 154.939



86, 79.221, 153.497

Inverse Universe

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



22, 45.086, 7.675



29, 54.168, 9.106



22, 52.204, 38.846



21, 2.935, 349.286



24, 47.586, 8.131



52, 82.182, 11.359

Previews

White Background



This preview shows how the CIELCh color 40, 42.339, 155.185 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, 42.339, 155.185 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, 42.339, 155.185

Background



This preview shows how black text looks on a background with the CIELCh color 40, 42.339, 155.185.



This preview shows how white text looks on a background with the CIELCh color 40, 42.339, 155.185.

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, 42.339, 155.185

Protanopia

40, 22.038, 95.554

Deuteranopia

40, 17.065, 70.780



Tritanopia
40, 20.267, 213.091

Trichromacy



Original Color
40, 42.339, 155.185

Protanomaly
39, 27.584, 138.021

Deuteranomaly
38, 22.013, 138.309

Tritanomaly
40, 26.232, 181.358

Monochromacy



Original Color
40, 42.339, 155.185

Achromatopsia
30, 0.005, 296.813

Achromatomaly
33, 19.501, 163.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 42.339, 155.185 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(0, 109, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 64)  
}
```

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(0, 109, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 42.339, 155.185 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(0, 109, 64) }
```

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

```
.border{ border-color:rgb(0, 109, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 109, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 42.339, 155.185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 64) }
```

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

```
.background{ background-color: rgb(0, 109,  
64) }
```

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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