

Converting Colors

CIELCh(35, 128.298, 177.117)

Have a look what the booklet for
CIELCh(35, 128.298, 177.117)
contains.

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Color

CIELCh(41, 40.305, 158.322)

Conversions

Conversions Part 1

Format	Color
Hex	036F47
RGB	3, 111, 71
RGB Percent	1%, 44%, 28%
CMY	0.9901, 0.5643, 0.7215
CMYK	0.98, 0.00, 0.36, 0.56
HSL	158°, 96%, 22%
HSV	158°, 98%, 44%
XYZ	6.8658, 11.8645, 7.8918
YIQ	74.1480, -51.5280, -35.3360

Conversions

Conversions Part 2

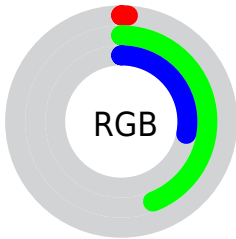
Format	Color
R_YB	3, 69, 111
Decimal	225095
CIE _{Lab}	41.00, -37.45, 14.89
CIE _{LCh}	41, 40.305, 158.322
Yxy	11.8645, 0.2579, 0.4457
Android (android.graphics.Color)	4278415175 (0xFF036F47)
YUV	74.1480, -1.5520, -62.3968
Hunter-Lab	34.4449, -24.6988, 10.5274

Details

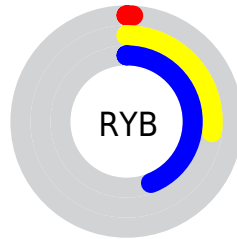
The CIELCh color **41, 40.305, 158.322** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 45.391, 11.059**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 40.320, 158.391**, and **22, 32.244, 149.380** is the 20% darker color. If you saturate the color by 10%, you get **41, 40.879, 157.917**, and if you desaturate by 10%, it is **41, 37.769, 160.244**.

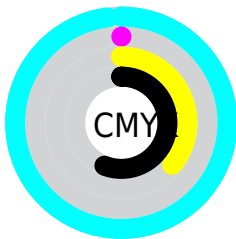
Distribution



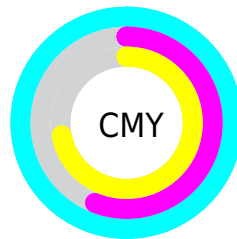
- Red (1%)
- Green (44%)
- Blue (28%)



- Red (1%)
- Yellow (27%)
- Blue (44%)



- Cyan (98%)
- Magenta (0%)
- Yellow (36%)
- Black (56%)





- Cyan (99%)
- Magenta (56%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 40.305, 158.322 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 41, 40.305, 158.322 by changing the saturation by 10% instead.


 41, 40.305,
158.322


 41, 40.305,
158.322


 100, 40.305,
158.322


 31, 40.305,
158.322

 61, 40.305,
158.322


 21, 40.305,
158.322

 71, 40.305,
158.322

 11, 40.305,
158.322

 81, 40.305,
158.322

 1, 40.305, 158.322

 91, 40.305,
158.322

 0, 40.305, 158.322

 41, 40.305,

 41, 40.305,

158.322

158.322

■ 41, 40.879,
157.917

■ 41, 37.769,
160.244

■ 41, 34.877,
162.080

■ 42, 31.505,
163.729

■ 42, 27.679,
165.207

■ 43, 23.451,
166.532

■ 44, 18.890,
167.727

■ 44, 14.075,
168.812

■ 45, 9.082, 169.810

Harmonies

Complementary

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



41, 40.305, 158.322



22, 45.391, 11.059

Rectangle

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



41, 40.305, 158.322



41, 40.305, 208.322



41, 40.305, 338.322



41, 40.305, 28.322

Sweetspot

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



41, 40.305, 158.322



57, 18.298, 168.597



41, 60.002, 130.641



29, 12.598, 168.238



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



41, 40.305, 158.322



53, 50.182, 157.253



38, 23.870, 216.166



23, 2.915, 170.638



44, 43.299, 157.713



87, 75.776, 156.332

Inverse Universe

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



22, 45.391, 11.059



30, 56.007, 13.501



23, 51.823, 39.597



22, 2.972, 352.068



24, 48.594, 12.402



53, 83.736, 15.736

Previews

White Background



This preview shows how the CIELCh color 41, 40.305, 158.322 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 41, 40.305, 158.322 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 41, 40.305, 158.322

Background



This preview shows how black text looks on a background with the CIELCh color 41, 40.305, 158.322.



This preview shows how white text looks on a background with the CIELCh color 41, 40.305, 158.322.

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

41, 40.215, 158.329

Protanopia

41, 19.096, 94.549

Deuteranopia

41, 14.371, 68.692



Tritanopia
41, 21.108, 210.567

Trichromacy



Original Color
41, 40.215, 158.329

Protanomaly
39, 24.987, 141.524

Deuteranomaly
40, 19.597, 143.735

Tritanomaly
41, 26.402, 182.937

Monochromacy



Original Color
41, 40.215, 158.329

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 18.003, 167.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 40.305, 158.322 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(3, 111, 71)` looks like.

```
.text, #text, p{  
    color:rgb(3, 111, 71)  
}
```

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(3, 111, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 111, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 40.305, 158.322 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(3, 111, 71) }
```

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

```
.border{ border-color:rgb(3, 111, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 111, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 111, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 111, 71);  
box-shadow:4px 4px 4px 4px rgb(3, 111, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 40.305, 158.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 111, 71) }
```

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

```
.background{ background-color: rgb(3, 111,  
71) }
```

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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