

Converting Colors

CIELCh(41, 46.435, 151.144)

Have a look what the booklet for
CIELCh(41, 46.435, 151.144)
contains.

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Color

CIELCh(41, 46.515, 151.123)

Conversions

Conversions Part 1

Format	Color
Hex	01703A
RGB	1, 112, 58
RGB Percent	0%, 44%, 23%
CMY	0.9974, 0.5614, 0.7731
CMYK	0.99, 0.00, 0.48, 0.56
HSL	151°, 99%, 22%
HSV	151°, 99%, 44%
XYZ	6.5467, 11.8645, 5.9305
YIQ	72.6550, -48.8220, -40.3260

Conversions

Conversions Part 2

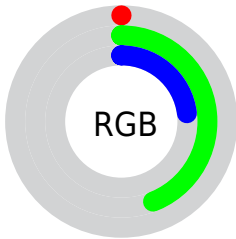
Format	Color
RYB	1, 74, 112
Decimal	94266
CIELab	41.00, -40.73, 22.46
CIELCh	41, 46.515, 151.123
Yxy	11.8645, 0.2690, 0.4874
Android (android.graphics.Color)	4278284346 (0xFF01703A)
YUV	72.6550, -7.2249, -62.8414
Hunter-Lab	34.4449, -26.3522, 13.9033

Details

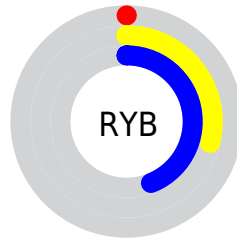
The CIELCh color **41, 46.515, 151.123** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **23, 46.104, 1.043**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 46.598, 150.998**, and **22, 38.560, 141.630** is the 20% darker color. If you saturate the color by 10%, you get **41, 46.701, 151.017**, and if you desaturate by 10%, it is **41, 43.399, 153.048**.

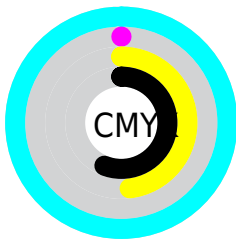
Distribution



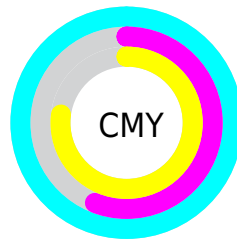
- Red (0%)
- Green (44%)
- Blue (23%)



- Red (0%)
- Yellow (29%)
- Blue (44%)



- Cyan (99%)
- Magenta (0%)
- Yellow (48%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 46.515, 151.123 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, 46.515, 151.123 by changing the saturation by 10% instead.


 41, 46.515,
151.123

 41, 46.515,
151.123


 100, 46.515,
151.123


 31, 46.515,
151.123


 61, 46.515,
151.123


 21, 46.515,
151.123


 71, 46.515,
151.123

 11, 46.515,
151.123

 81, 46.515,
151.123

 1, 46.515, 151.123

 91, 46.515,
151.123

 0, 46.515, 151.123

 41, 46.515,

 41, 46.515,

151.123

151.123

■ 41, 46.701,
151.017

■ 41, 43.399,
153.048

■ 41, 39.961,
154.959

■ 42, 36.030,
156.678

■ 42, 31.635,
158.210

■ 43, 26.839,
159.571

■ 44, 21.720,
160.781

■ 44, 16.364,
161.862

■ 45, 10.854,
162.837

Harmonies

Complementary

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



41, 46.515, 151.123



23, 46.104, 1.043

Rectangle

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



41, 46.515, 151.123



41, 46.515, 201.123



41, 46.515, 331.123



41, 46.515, 21.123

Sweetspot

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



41, 46.515, 151.123



57, 20.674, 161.719



42, 58.793, 127.276



29, 14.175, 161.374



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, 46.515, 151.123



53, 57.147, 150.360



42, 27.251, 196.391



23, 3.157, 163.772



44, 49.243, 150.828



86, 86.511, 149.429

Inverse Universe

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



23, 46.104, 1.043



31, 55.708, 2.456



22, 54.451, 36.986



22, 3.197, 345.103



25, 48.526, 1.575



53, 82.578, 4.277

Previews

White Background



This preview shows how the CIELCh color 41, 46.515, 151.123 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, 46.515, 151.123 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, 46.515, 151.123

Background



This preview shows how black text looks on a background with the CIELCh color 41, 46.515, 151.123.



This preview shows how white text looks on a background with the CIELCh color 41, 46.515, 151.123.

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, 46.515, 151.123

Protanopia

41, 26.996, 96.820

Deuteranopia

41, 21.137, 74.663



Tritanopia
41, 20.536, 211.007

Trichromacy



Original Color
41, 46.515, 151.123

Protanomaly
40, 32.193, 133.757

Deuteranomaly
39, 25.382, 132.683

Tritanomaly
41, 27.421, 178.044

Monochromacy



Original Color
41, 46.515, 151.123

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 20.306, 160.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 46.515, 151.123 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, 112, 58)` looks like.

```
.text, #text, p{  
    color:rgb(1, 112, 58)  
}
```

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, 112, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 112, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 46.515, 151.123 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, 112, 58) }
```

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

```
.border{ border-color:rgb(1, 112, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 112, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 112, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 112, 58);  
box-shadow:4px 4px 4px 4px rgb(1, 112, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 46.515, 151.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 112, 58) }
```

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

```
.background{ background-color: rgb(1, 112,  
58) }
```

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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