

Converting Colors

CIELCh(41, 40.512, 148.304)

Have a look what the booklet for
CIELCh(41, 40.512, 148.304)
contains.

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Color

CIELCh(41, 40.701, 148.286)

Conversions

Conversions Part 1

Format	Color
Hex	256E3C
RGB	37, 110, 60
RGB Percent	15%, 43%, 24%
CMY	0.8550, 0.5687, 0.7648
CMYK	0.66, 0.00, 0.45, 0.57
HSL	139°, 50%, 29%
HSV	139°, 66%, 43%
XYZ	7.1496, 11.8645, 6.1846
YIQ	82.4730, -27.4580, -31.0260

Conversions

Conversions Part 2

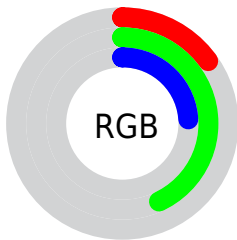
Format	Color
RYB	37, 93, 110
Decimal	2453052
CIELab	41.00, -34.62, 21.40
CIElCh	41, 40.701, 148.286
Yxy	11.8645, 0.2837, 0.4708
Android (android.graphics.Color)	4280643132 (0xFF256E3C)
YUV	82.4730, -11.0792, -39.8798
Hunter-Lab	34.4449, -23.2279, 13.4659

Details

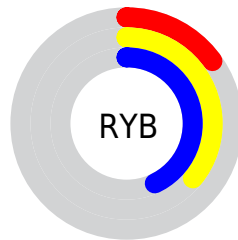
The CIELCh color **41, 40.701, 148.286** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **28, 40.563, 340.257**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 40.476, 148.228**, and **21, 36.643, 142.947** is the 20% darker color. If you saturate the color by 10%, you get **41, 45.654, 146.719**, and if you desaturate by 10%, it is **42, 35.248, 149.683**.

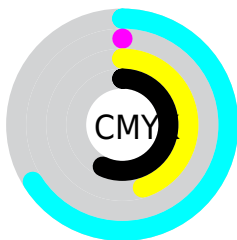
Distribution



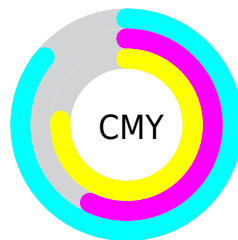
- Red (15%)
- Green (43%)
- Blue (24%)



- Red (15%)
- Yellow (36%)
- Blue (43%)



- Cyan (66%)
- Magenta (0%)
- Yellow (45%)
- Black (57%)



- Cyan (86%)
- Magenta (57%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 40.701, 148.286 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, 40.701, 148.286 by changing the saturation by 10% instead.


 41, 40.701,
148.286

 41, 40.701,
148.286


 100, 40.701,
148.286


 31, 40.701,
148.286

 61, 40.701,
148.286


 21, 40.701,
148.286

 71, 40.701,
148.286

 11, 40.701,
148.286


 81, 40.701,
148.286

 1, 40.701, 148.286

 91, 40.701,
148.286

 0, 40.701, 148.286

 41, 40.701,

 41, 40.701,

148.286

■ 41, 45.654,
146.719

■ 40, 50.024,
144.994

■ 40, 53.825,
143.221

■ 40, 55.128,
142.660

148.286

■ 42, 35.248,
149.683

■ 42, 29.394,
150.914

■ 43, 23.250,
151.994

■ 44, 16.921,
152.941

■ 45, 10.502,
153.777

■ 46, 4.074, 154.538

■ 47, 2.300, 335.032

■ 48, 8.571, 335.676

■ 49, 14.705,

Harmonies

Complementary

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



41, 40.701, 148.286



28, 40.563, 340.257

Rectangle

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



41, 40.701, 148.286



41, 40.701, 198.286



41, 40.701, 328.286



41, 40.701, 18.286

Sweetspot

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



41, 40.701, 148.286



57, 15.894, 153.442



43, 41.961, 118.528



29, 10.769, 153.268



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



41, 40.701, 148.286



52, 58.214, 145.745



42, 26.318, 176.667



23, 3.654, 154.339



44, 58.896, 142.448



86, 103.433, 141.227

Inverse Universe

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



28, 40.563, 340.257



33, 55.967, 342.183



26, 34.593, 13.542



22, 3.674, 335.455



26, 52.698, 345.147



55, 89.043, 346.452

Previews

White Background



This preview shows how the CIELCh color 41, 40.701, 148.286 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 CIE LCh color 41, 40.701, 148.286 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, 40.701, 148.286

Background



This preview shows how black text looks on a background with the CIELCh color 41, 40.701, 148.286.



This preview shows how white text looks on a background with the CIELCh color 41, 40.701, 148.286.

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, 40.701, 148.286

Protanopia

41, 24.899, 95.278

Deuteranopia

41, 20.341, 75.021



Tritanopia
41, 17.388, 213.920

Trichromacy



Original Color
41, 40.701, 148.286

Protanomaly
40, 27.599, 125.504

Deuteranomaly
40, 22.173, 121.173

Tritanomaly
41, 22.525, 176.107

Monochromacy



Original Color
41, 40.701, 148.286

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 15.730, 152.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 40.701, 148.286 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(37, 110, 60)` looks like.

```
.text, #text, p{  
    color:rgb(37, 110, 60)  
}
```

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(37, 110, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 110, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 40.701, 148.286 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(37, 110, 60) }
```

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

```
.border{ border-color:rgb(37, 110, 60) }
```

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

Here you see how a box with a 4 pixel rgb(37, 110, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 110, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 110, 60);  
box-shadow:4px 4px 4px 4px rgb(37, 110,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 40.701, 148.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 110, 60) }
```

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

```
.background{ background-color: rgb(37, 110,  
60) }
```

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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