

Converting Colors

CIELCh(41, 58.882, 137.495)

Have a look what the booklet for
CIELCh(41, 58.882, 137.495)
contains.

CIELCh(41, 58.806, 137.466)	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(41, 58.806, 137.466)

Conversions

Conversions Part 1

Format	Color
Hex	167016
RGB	22, 112, 22
RGB Percent	9%, 44%, 9%
CMY	0.9125, 0.5600, 0.9129
CMYK	0.80, 0.00, 0.80, 0.56
HSL	120°, 67%, 26%
HSV	120°, 80%, 44%
XYZ	6.3006, 11.8645, 2.7278
YIQ	74.8300, -24.7500, -47.0700

Conversions

Conversions Part 2

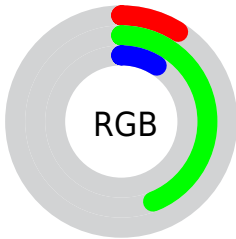
Format	Color
R_{YB}	22, 112, 112
Decimal	1470486
CIE Lab	41.00, -43.33, 39.75
CIE LCh	41, 58.806, 137.466
Yxy	11.8645, 0.3016, 0.5679
Android (android.graphics.Color)	4279660566 (0xFF167016)
YUV	74.8300, -26.0452, -46.3319
Hunter-Lab	34.4449, -27.6277, 19.4161

Details

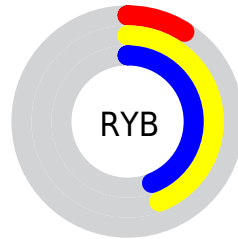
The CIELCh color **41, 58.806, 137.466** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **27, 57.502, 327.888**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 58.847, 137.672**, and **22, 43.432, 136.854** is the 20% darker color. If you saturate the color by 10%, you get **41, 62.528, 136.668**, and if you desaturate by 10%, it is **41, 53.675, 138.466**.

Distribution



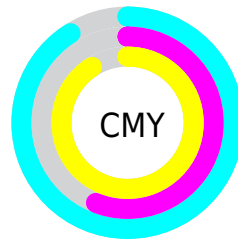
- Red (9%)
- Green (44%)
- Blue (9%)



- Red (9%)
- Yellow (44%)
- Blue (44%)



- Cyan (80%)
- Magenta (0%)
- Yellow (80%)
- Black (56%)



- Cyan (91%)
- Magenta (56%)
- Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 58.806, 137.466 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, 58.806, 137.466 by changing the saturation by 10% instead.

 41, 58.806,
137.466

 41, 58.806,
137.466

 100, 58.806,
137.466

 31, 58.806,
137.466

 61, 58.806,
137.466

 21, 58.806,
137.466

 71, 58.806,
137.466

 11, 58.806,
137.466


 81, 58.806,
137.466

 1, 58.806, 137.466

 91, 58.806,
137.466

 0, 58.806, 137.466

 41, 58.806,

 41, 58.806,

137.466

137.466

■ 41, 62.528,
136.668

■ 41, 53.675,
138.466

■ 41, 65.374,
136.007

■ 42, 47.422,
139.540

■ 42, 40.339,
140.593

■ 43, 32.689,
141.568

■ 44, 24.689,
142.438

■ 45, 16.514,
143.200

■ 46, 8.302, 143.863

■ 47, 0.156, 145.483

Harmonies

Complementary

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



41, 58.806, 137.466



27, 57.502, 327.888

Rectangle

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



41, 58.806, 137.466



41, 58.806, 187.466



41, 58.806, 317.466



41, 58.806, 7.466

Sweetspot

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



41, 58.806, 137.467



57, 24.274, 142.876



45, 46.770, 102.706



29, 16.804, 142.660



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, 58.806, 137.467



52, 77.721, 136.219



42, 41.570, 153.223



23, 4.574, 143.937



43, 68.526, 136.008



85, 117.040, 136.013

Inverse Universe

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



27, 57.502, 327.888



34, 75.153, 328.150



25, 42.629, 352.949



22, 4.581, 324.854



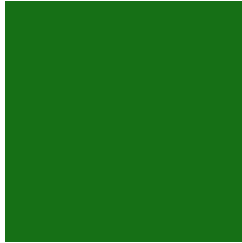
28, 66.127, 328.188



59, 112.936, 328.186

Previews

White Background



This preview shows how the CIELCh color 41, 58.806, 137.466 looks on a white background.

Color Contrast Check

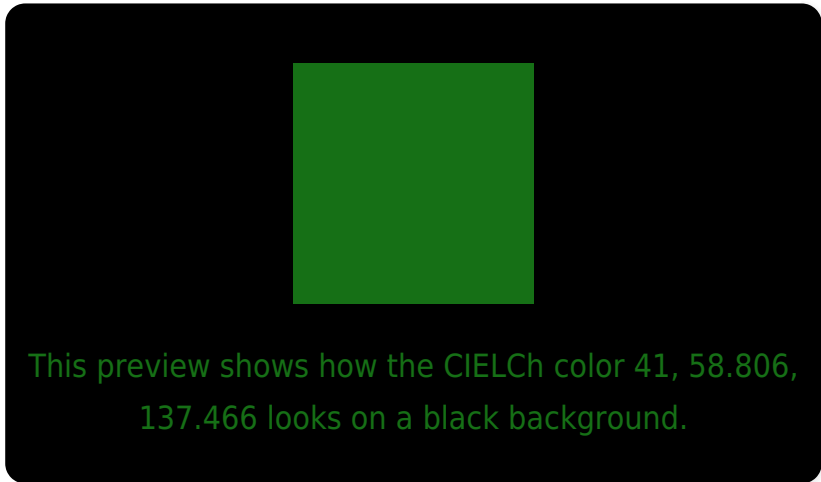
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

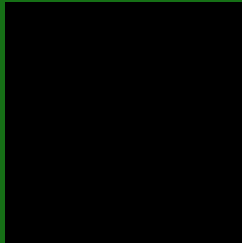
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 58.806, 137.466

Background



This preview shows how black text looks on a background with the CIELCh color 41, 58.806, 137.466.



This preview shows how white text looks on a background with the CIELCh color 41, 58.806, 137.466.

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, 58.806, 137.466

Protanopia

41, 43.100, 96.236

Deuteranopia

41, 37.578, 81.808



Tritanopia
41, 18.167, 215.171

Trichromacy



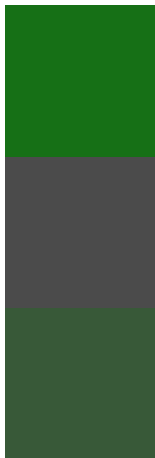
Original Color
41, 58.806, 137.466

Protanomaly
40, 46.321, 119.024

Deuteranomaly
39, 40.371, 114.456

Tritanomaly
41, 29.420, 162.212

Monochromacy



Original Color
41, 58.806, 137.466

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 24.991, 141.970

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 58.806, 137.466 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(22, 112, 22)` looks like.

```
.text, #text, p{  
    color:rgb(22, 112, 22)  
}
```

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(22, 112, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 112, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 58.806, 137.466 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(22, 112, 22) }
```

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

```
.border{ border-color:rgb(22, 112, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 112, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 112, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 112, 22);  
box-shadow:4px 4px 4px 4px rgb(22, 112,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 58.806, 137.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 112, 22) }
```

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

```
.background{ background-color: rgb(22, 112,  
22) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor