

Converting Colors

CIELCh(41, 37.520, 155.741)

Have a look what the booklet for
CIELCh(41, 37.520, 155.741)
contains.

CIELCh(41, 37.544, 155.566)	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, 37.544, 155.566)

Conversions

Conversions Part 1

Format	Color
Hex	1D6E46
RGB	29, 110, 70
RGB Percent	11%, 43%, 27%
CMY	0.8861, 0.5685, 0.7253
CMYK	0.74, 0.00, 0.36, 0.57
HSL	150°, 58%, 27%
HSV	150°, 74%, 43%
XYZ	7.1947, 11.8645, 7.7110
YIQ	81.2210, -35.4360, -29.6120

Conversions

Conversions Part 2

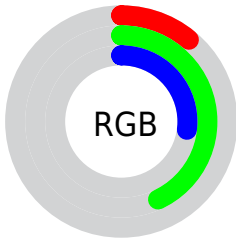
Format	Color
R_{YB}	29, 83, 110
Decimal	1928774
CIE _{Lab}	41.00, -34.18, 15.53
CIE _{LCh}	41, 37.544, 155.566
Yxy	11.8645, 0.2688, 0.4432
Android (android.graphics.Color)	4280118854 (0xFF1D6E46)
YUV	81.2210, -5.5320, -45.7978
Hunter-Lab	34.4449, -22.9946, 10.8385

Details

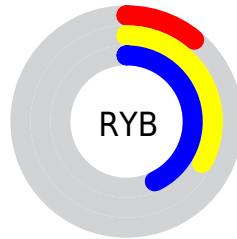
The CIELCh color **41, 37.544, 155.566** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 39.442, 353.050**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 37.198, 155.964**, and **22, 32.123, 149.048** is the 20% darker color. If you saturate the color by 10%, you get **41, 41.270, 153.773**, and if you desaturate by 10%, it is **41, 33.345, 157.169**.

Distribution



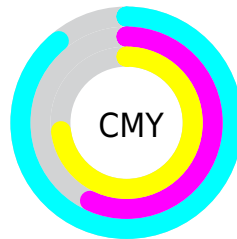
- Red (11%)
- Green (43%)
- Blue (27%)



- Red (11%)
- Yellow (33%)
- Blue (43%)



- Cyan (74%)
- Magenta (0%)
- Yellow (36%)
- Black (57%)



- Cyan (89%)
- Magenta (57%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 37.544, 155.566 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, 37.544, 155.566 by changing the saturation by 10% instead.


 41, 37.544,
155.566


 41, 37.544,
155.566


 100, 37.544,
155.566


 31, 37.544,
155.566

 61, 37.544,
155.566


 21, 37.544,
155.566

 71, 37.544,
155.566


 11, 37.544,
155.566


 81, 37.544,
155.566

 1, 37.544, 155.566

 91, 37.544,
155.566

 0, 37.544, 155.566

 41, 37.544,

 41, 37.544,

155.566

■ 41, 41.270,
153.773

■ 40, 44.522,
151.809

■ 40, 46.519,
150.630

155.566

■ 41, 33.345,
157.169

■ 42, 28.723,
158.593

■ 43, 23.750,
159.858

■ 43, 18.510,
160.985

■ 44, 13.088,
161.996

■ 45, 7.561, 162.915

■ 46, 1.997, 163.832

■ 47, 3.549, 344.374

■ 48, 9.032, 345.107

Harmonies

Complementary

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



41, 37.544, 155.566



26, 39.442, 353.050

Rectangle

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



41, 37.544, 155.566



41, 37.544, 205.566



41, 37.544, 335.566



41, 37.544, 25.566

Sweetspot

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



41, 37.544, 155.566



57, 15.114, 162.093



42, 48.034, 126.306



29, 10.076, 161.909



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, 37.544, 155.566



52, 52.474, 152.457



42, 24.255, 196.678



23, 3.176, 163.318



44, 49.672, 150.395



86, 87.278, 148.998

Inverse Universe

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



26, 39.442, 353.050



31, 53.076, 357.418



25, 41.204, 30.349



22, 3.215, 344.640



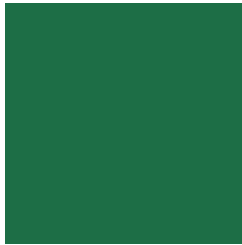
25, 48.599, 0.810



53, 82.645, 3.456

Previews

White Background



This preview shows how the CIELCh color 41, 37.544, 155.566 looks on a white background.

Color Contrast Check

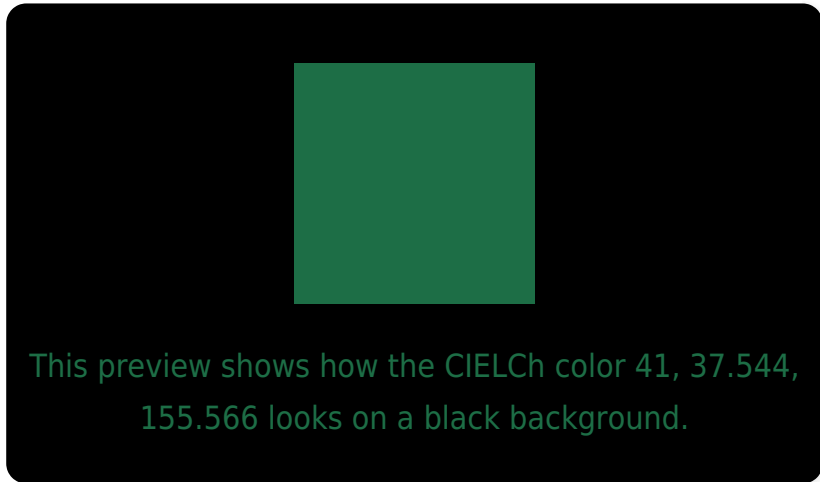
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.544, 155.566

Background



This preview shows how black text looks on a background with the CIELCh color 41, 37.544, 155.566.



This preview shows how white text looks on a background with the CIELCh color 41, 37.544, 155.566.

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, 37.544, 155.566

Protanopia

41, 19.570, 96.152

Deuteranopia

41, 14.721, 67.300



Tritanopia
41, 19.264, 212.080

Trichromacy



Original Color
41, 37.544, 155.566

Protanomaly
40, 23.523, 133.729

Deuteranomaly
40, 17.398, 133.144

Tritanomaly
41, 23.715, 181.678

Monochromacy



Original Color
41, 37.544, 155.566

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 15.595, 160.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 37.544, 155.566 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(29, 110, 70)` looks like.

```
.text, #text, p{  
    color:rgb(29, 110, 70)  
}
```

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(29, 110, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 110, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 37.544, 155.566 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(29, 110, 70) }
```

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

```
.border{ border-color:rgb(29, 110, 70) }
```

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

Here you see how a box with a 4 pixel rgb(29, 110, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 110, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 110, 70);  
box-shadow:4px 4px 4px 4px rgb(29, 110,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 37.544, 155.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 110, 70) }
```

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

```
.background{ background-color: rgb(29, 110,  
70) }
```

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