

Converting Colors

CIELCh(37, 44.183, 152.522)

Have a look what the booklet for
CIELCh(37, 44.183, 152.522)
contains.

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Color

CIELCh(37, 43.174, 151.338)

Conversions

Conversions Part 1

Format	Color
Hex	006534
RGB	0, 101, 52
RGB Percent	0%, 40%, 20%
CMY	1.0000, 0.6042, 0.7964
CMYK	1.00, 0.00, 0.49, 0.60
HSL	151°, 100%, 20%
HSV	151°, 100%, 40%
XYZ	5.2621, 9.5379, 4.8040
YIQ	65.2150, -44.4670, -36.6510

Conversions

Conversions Part 2

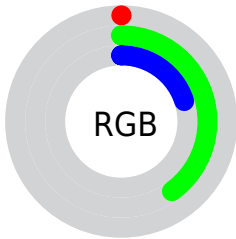
Format	Color
RYB	0, 67, 101
Decimal	25908
CIELab	37.00, -37.88, 20.71
CIELCh	37, 43.174, 151.338
Yxy	9.5379, 0.2684, 0.4865
Android (android.graphics.Color)	4278215988 (0xFF006534)
YUV	65.2150, -6.5150, -57.1936
Hunter-Lab	30.8835, -23.6326, 12.3959

Details

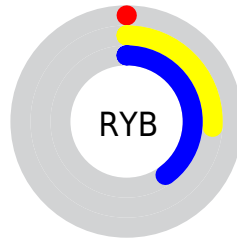
The CIELCh color **37, 43.174, 151.338** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **20, 43.031, 0.681**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 43.269, 151.079**, and **18, 35.450, 140.787** is the 20% darker color. If you saturate the color by 10%, you get **37, 43.162, 151.325**, and if you desaturate by 10%, it is **37, 40.210, 153.148**.

Distribution



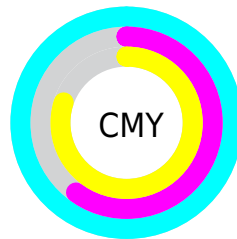
- Red (0%)
- Green (40%)
- Blue (20%)



- Red (0%)
- Yellow (26%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (60%)





- Cyan (100%)
- Magenta (60%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 43.174, 151.338 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 37, 43.174, 151.338 by changing the saturation by 10% instead.

 37, 43.174,
151.338

 37, 43.174,
151.338

 100, 43.174,
151.338

 27, 43.174,
151.338

 57, 43.174,
151.338


 17, 43.174,
151.338


 67, 43.174,
151.338

 7, 43.174, 151.338

 77, 43.174,
151.338

 0, 43.174, 151.338

 87, 43.174,
151.338

 97, 43.174,
151.338

■ 37, 43.174,
151.338

■ 37, 43.174,
151.338

■ 37, 43.162,
151.325

■ 37, 40.210,
153.148

■ 37, 37.033,
155.029

■ 38, 33.408,
156.721

■ 38, 29.364,
158.232

■ 39, 24.956,
159.575

■ 39, 20.254,
160.772

■ 40, 15.337,
161.843

■ 41, 10.278,

162.809

■ 42, 5.145, 163.700

Harmonies

Complementary

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



37, 43.174, 151.338



20, 43.031, 0.681

Rectangle

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



37, 43.174, 151.338



37, 43.174, 201.338



37, 43.174, 331.338



37, 43.174, 21.338

Sweetspot

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



37, 43.162, 151.325



51, 18.879, 161.757



38, 54.756, 127.098



26, 12.948, 161.445



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



37, 43.162, 151.325



47, 52.435, 150.625



38, 25.382, 196.386



21, 2.913, 163.793



42, 47.621, 150.951



85, 85.100, 149.462

Inverse Universe

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



20, 43.031, 0.681



27, 51.426, 1.973



19, 50.038, 35.820



20, 2.949, 345.093



23, 47.060, 1.366



52, 81.290, 4.229

Previews

White Background



This preview shows how the CIELCh color 37, 43.174, 151.338 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 37, 43.174, 151.338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 37, 43.174, 151.338

Background



This preview shows how black text looks on a background with the CIELCh color 37, 43.174, 151.338.



This preview shows how white text looks on a background with the CIELCh color 37, 43.174, 151.338.

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
37, 43.174, 151.338

Protanopia
37, 24.574, 95.810

Deuteranopia
37, 19.943, 74.975



Tritanopia
37, 18.802, 212.657

Trichromacy



Original Color
37, 43.174, 151.338

Protanomaly
36, 29.500, 134.172

Deuteranomaly
36, 23.764, 132.658

Tritanomaly
37, 25.400, 177.645

Monochromacy



Original Color
37, 43.174, 151.338

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 19.276, 160.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 43.174, 151.338 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(0, 101, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 101, 52)  
}
```

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(0, 101, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 43.174, 151.338 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(0, 101, 52) }
```

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

```
.border{ border-color:rgb(0, 101, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 101, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 101, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 43.174, 151.338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 101, 52) }
```

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

```
.background{ background-color: rgb(0, 101,  
52) }
```

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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