

Converting Colors

CIELCh(37, 51.938, 142.538)

Have a look what the booklet for
CIELCh(37, 51.938, 142.538)
contains.

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Color

CIELCh(37, 52.327, 142.323)

Conversions

Conversions Part 1

Format	Color
Hex	01661F
RGB	1, 102, 31
RGB Percent	0%, 40%, 12%
CMY	0.9951, 0.6014, 0.8797
CMYK	0.99, 0.00, 0.70, 0.60
HSL	138°, 98%, 20%
HSV	138°, 99%, 40%
XYZ	4.9749, 9.5379, 2.8520
YIQ	63.7070, -37.4050, -43.4930

Conversions

Conversions Part 2

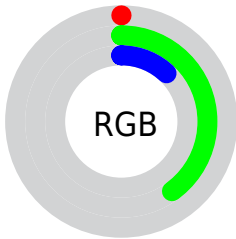
Format	Color
R_{YB}	1, 79, 102
Decimal	91679
CIE _{Lab}	37.00, -41.42, 31.98
CIE _{LCh}	37, 52.327, 142.323
Yxy	9.5379, 0.2865, 0.5493
Android (android.graphics.Color)	4278281759 (0xFF01661F)
YUV	63.7070, -16.1246, -54.9940
Hunter-Lab	30.8835, -25.2924, 16.1432

Details

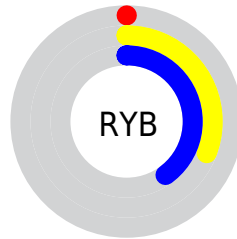
The CIELCh color **37, 52.327, 142.323** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **21, 47.474, 343.060**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 52.238, 142.584**, and **18, 37.921, 138.389** is the 20% darker color. If you saturate the color by 10%, you get **37, 52.750, 142.152**, and if you desaturate by 10%, it is **37, 48.742, 143.942**.

Distribution



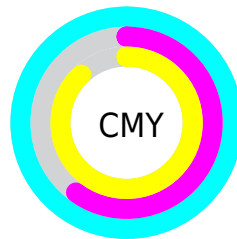
- Red (0%)
- Green (40%)
- Blue (12%)



- Red (0%)
- Yellow (31%)
- Blue (40%)



- Cyan (99%)
- Magenta (0%)
- Yellow (70%)
- Black (60%)





- Cyan (100%)
- Magenta (60%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 52.327, 142.323 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, 52.327, 142.323 by changing the saturation by 10% instead.


 37, 52.327,
142.323


 37, 52.327,
142.323

 100, 52.327,
142.323


 27, 52.327,
142.323

 57, 52.327,
142.323


 17, 52.327,
142.323


 67, 52.327,
142.323

 7, 52.327, 142.323

 77, 52.327,
142.323

 0, 52.327, 142.323

 87, 52.327,
142.323

 97, 52.327,
142.323

■ 37, 52.327,
142.323

■ 37, 52.327,
142.323

■ 37, 52.750,
142.152

■ 37, 48.742,
143.942

■ 37, 44.686,
145.644

■ 38, 40.056,
147.205

■ 38, 34.931,
148.605

■ 39, 29.408,
149.844

■ 40, 23.590,
150.931

■ 40, 17.580,
151.885

■ 41, 11.470,

152.723

■ 42, 5.340, 153.474

Harmonies

Complementary

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



37, 52.327, 142.323



21, 47.474, 343.060

Rectangle

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



37, 52.327, 142.323



37, 52.327, 192.323



37, 52.327, 322.323



37, 52.327, 12.323

Sweetspot

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



37, 52.327, 142.323



52, 22.794, 151.695



39, 51.166, 118.258



26, 15.409, 151.420



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, 52.327, 142.323



48, 64.698, 141.520



38, 31.639, 170.538



21, 3.428, 153.463



42, 57.886, 141.843



84, 103.344, 140.583

Inverse Universe

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



21, 47.474, 343.060



29, 57.354, 343.800



20, 45.125, 24.218



20, 3.444, 334.533



24, 51.840, 343.500



54, 88.906, 344.737

Previews

White Background



This preview shows how the CIELCh color 37, 52.327, 142.323 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 CIELCh color 37, 52.327, 142.323 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, 52.327, 142.323

Background



This preview shows how black text looks on a background with the CIELCh color 37, 52.327, 142.323.



This preview shows how white text looks on a background with the CIELCh color 37, 52.327, 142.323.

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, 52.400, 142.407

Protanopia

37, 35.201, 95.281

Deuteranopia

37, 30.720, 81.134



Tritanopia
37, 18.173, 213.272

Trichromacy



Original Color

37, 52.400, 142.407



Protanomaly

36, 39.246, 124.652



Deuteranomaly

35, 33.848, 122.090



Tritanomaly

37, 27.362, 169.055

Monochromacy



Original Color

37, 52.400, 142.407



Achromatopsia

27, 0.004, 296.813



Achromatomaly

30, 22.975, 150.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 52.327, 142.323 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, 102, 31)` looks like.

```
.text, #text, p{  
    color:rgb(1, 102, 31)  
}
```

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, 102, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 102, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 52.327, 142.323 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, 102, 31) }
```

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

```
.border{ border-color:rgb(1, 102, 31) }
```

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

Here you see how a box with a 4 pixel rgb(1, 102, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 102, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 102, 31);  
box-shadow:4px 4px 4px 4px rgb(1, 102, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 52.327, 142.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 102, 31) }
```

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

```
.background{ background-color: rgb(1, 102,  
31) }
```

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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