

Converting Colors

CIELCh(42, 37.631, 163.420)

Have a look what the booklet for
CIELCh(42, 37.631, 163.420)
contains.

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Color

CIELCh(42, 37.552, 163.356)

Conversions

Conversions Part 1

Format	Color
Hex	047150
RGB	4, 113, 80
RGB Percent	2%, 44%, 31%
CMY	0.9848, 0.5554, 0.6850
CMYK	0.97, 0.00, 0.29, 0.56
HSL	162°, 93%, 23%
HSV	162°, 97%, 44%
XYZ	7.4542, 12.5000, 9.6741
YIQ	76.6470, -54.3710, -33.3710

Conversions

Conversions Part 2

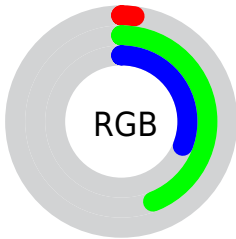
Format	Color
RYB	4, 68, 113
Decimal	291152
CIELab	42.00, -35.98, 10.76
CIElCh	42, 37.552, 163.356
Yxy	12.5000, 0.2516, 0.4219
Android (android.graphics.Color)	4278481232 (0xFF047150)
YUV	76.6470, 1.6530, -63.7114
Hunter-Lab	35.3553, -24.2376, 8.5255

Details

The CIELCh color **42, 37.552, 163.356** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **23, 46.469, 16.820**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 37.822, 163.005**, and **23, 29.632, 154.783** is the 20% darker color. If you saturate the color by 10%, you get **42, 38.297, 162.757**, and if you desaturate by 10%, it is **42, 35.348, 165.215**.

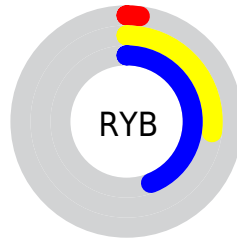
Distribution



Red (2%)

Green (44%)

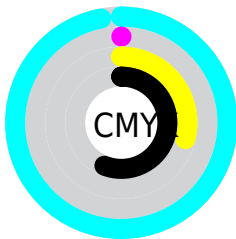
Blue (31%)



Red (2%)

Yellow (27%)

Blue (44%)

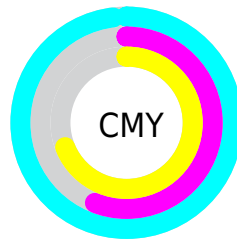


Cyan (97%)

Magenta (0%)

Yellow (29%)

Black (56%)



Cyan (98%)


Magenta (56%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 37.552, 163.356 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 42, 37.552, 163.356 by changing the saturation by 10% instead.


 42, 37.552,
163.356


 42, 37.552,
163.356


 100, 37.552,
163.356


 32, 37.552,
163.356

 62, 37.552,
163.356


 22, 37.552,
163.356

 72, 37.552,
163.356

 12, 37.552,
163.356

 82, 37.552,
163.356

 2, 37.552, 163.356

 92, 37.552,
163.356

 0, 37.552, 163.356

 42, 37.552,

 42, 37.552,

163.356

■ 42, 38.297,
162.757

163.356

■ 42, 35.348,
165.215

■ 42, 32.739,
166.952

■ 43, 29.636,
168.516

■ 43, 26.061,
169.922

■ 44, 22.066,
171.193

■ 45, 17.718,
172.350

■ 45, 13.092,
173.413

■ 46, 8.265, 174.404

Harmonies

Complementary

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



42, 37.552, 163.356



23, 46.469, 16.820

Rectangle

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



42, 37.552, 163.356



42, 37.552, 213.356



42, 37.552, 343.356



42, 37.552, 33.356

Sweetspot

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



42, 37.552, 163.355



58, 17.675, 173.084



42, 61.590, 132.211



29, 11.984, 172.734



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 37.552, 163.355



54, 46.849, 162.140



36, 23.706, 229.291



23, 2.795, 175.132



44, 39.937, 162.616



87, 69.648, 161.294

Inverse Universe

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



23, 46.469, 16.820



31, 58.051, 19.862



24, 51.005, 42.053



22, 2.865, 356.584



24, 49.569, 18.602



52, 86.154, 22.102

Previews

White Background



This preview shows how the CIELCh color 42, 37.552, 163.356 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 CIELCh color 42, 37.552, 163.356 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 42, 37.552, 163.356

Background



This preview shows how black text looks on a background with the CIELCh color 42, 37.552, 163.356.



This preview shows how white text looks on a background with the CIELCh color 42, 37.552, 163.356.

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

42, 37.483, 163.300

Protanopia

42, 15.320, 95.884

Deuteranopia

42, 10.847, 57.577



Tritanopia
42, 21.947, 209.933

Trichromacy



Original Color
42, 37.483, 163.300

Protanomaly
41, 22.439, 148.093

Deuteranomaly
41, 16.466, 153.119

Tritanomaly
42, 26.236, 187.064

Monochromacy



Original Color
42, 37.483, 163.300

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 17.524, 171.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 37.552, 163.356 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(4, 113, 80)` looks like.

```
.text, #text, p{  
    color:rgb(4, 113, 80)  
}
```

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(4, 113, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 113, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 37.552, 163.356 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(4, 113, 80) }
```

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

```
.border{ border-color:rgb(4, 113, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 113, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 113, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 113, 80);  
box-shadow:4px 4px 4px 4px rgb(4, 113, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 37.552, 163.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 113, 80) }
```

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

```
.background{ background-color: rgb(4, 113,  
80) }
```

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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