

Converting Colors

CIELCh(42, 39.092, 166.240)

Have a look what the booklet for
CIELCh(42, 39.092, 166.240)
contains.

CIELCh(42, 37.090, 165.147)	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(42, 37.090, 165.147)

Conversions

Conversions Part 1

Format	Color
Hex	007152
RGB	0, 113, 82
RGB Percent	0%, 44%, 32%
CMY	1.0000, 0.5554, 0.6768
CMYK	1.00, 0.00, 0.27, 0.56
HSL	164°, 100%, 22%
HSV	164°, 100%, 44%
XYZ	7.4676, 12.5000, 10.0857
YIQ	75.6790, -57.3970, -33.5970

Conversions

Conversions Part 2

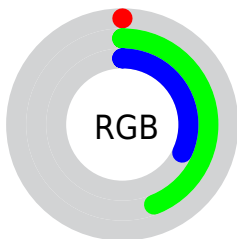
Format	Color
RYB	0, 65, 113
Decimal	29010
CIELab	42.00, -35.85, 9.51
CIELCh	42, 37.090, 165.147
Yxy	12.5000, 0.2485, 0.4159
Android (android.graphics.Color)	4278219090 (0xFF007152)
YUV	75.6790, 3.1163, -66.3705
Hunter-Lab	35.3553, -24.1701, 7.8353

Details

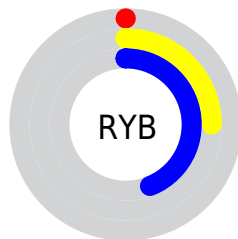
The CIELCh color **42, 37.090, 165.147** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 48.131, 20.753**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 37.298, 164.523**, and **23, 28.683, 156.574** is the 20% darker color. If you saturate the color by 10%, you get **42, 36.988, 165.068**, and if you desaturate by 10%, it is **42, 34.980, 166.838**.

Distribution



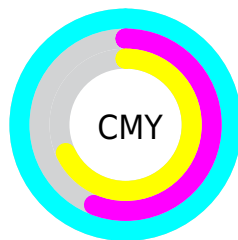
- Red (0%)
- Green (44%)
- Blue (32%)



- Red (0%)
- Yellow (25%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (68%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 37.090, 165.147 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, 37.090, 165.147 by changing the saturation by 10% instead.


 42, 37.090,
165.147


 42, 37.090,
165.147


 100, 37.090,
165.147


 32, 37.090,
165.147

 62, 37.090,
165.147


 22, 37.090,
165.147

 72, 37.090,
165.147

 12, 37.090,
165.147

 82, 37.090,
165.147

 2, 37.090, 165.147

 92, 37.090,
165.147

 0, 37.090, 165.147

 42, 37.090,

 42, 37.090,

165.147

■ 42, 36.988,
165.068

165.147

■ 42, 34.980,
166.838

■ 42, 32.698,
168.580

■ 43, 29.919,
170.151

■ 43, 26.652,
171.567

■ 44, 22.936,
172.847

■ 44, 18.833,
174.015

■ 45, 14.414,
175.090

■ 46, 9.755, 176.091

Harmonies

Complementary

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



42, 37.090, 165.147



22, 48.131, 20.753

Rectangle

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



42, 37.090, 165.147



42, 37.090, 215.147



42, 37.090, 345.147



42, 37.090, 35.147

Sweetspot

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



42, 36.988, 165.068



58, 17.898, 175.008



42, 63.251, 132.891



29, 12.059, 174.669



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, 36.988, 165.068



54, 45.206, 164.472



35, 24.259, 237.188



23, 2.750, 177.146



44, 38.561, 164.932



87, 67.130, 163.651

Inverse Universe

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



22, 48.131, 20.753



31, 58.838, 22.400



24, 51.885, 43.627



22, 2.825, 358.595



24, 50.177, 21.130



52, 87.517, 24.642

Previews

White Background



This preview shows how the CIELCh color 42, 37.090, 165.147 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, 37.090, 165.147 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, 37.090, 165.147

Background



This preview shows how black text looks on a background with the CIELCh color 42, 37.090, 165.147.



This preview shows how white text looks on a background with the CIELCh color 42, 37.090, 165.147.

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, 36.955, 164.968

Protanopia

42, 14.156, 95.136

Deuteranopia

42, 9.707, 53.943



Tritanopia
42, 22.120, 211.468

Trichromacy



Original Color
42, 36.955, 164.968

Protanomaly
41, 22.026, 151.404

Deuteranomaly
40, 16.168, 157.816

Tritanomaly
42, 26.271, 188.419

Monochromacy



Original Color
42, 36.955, 164.968

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 18.102, 172.476

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 37.090, 165.147 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, 113, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 82)  
}
```

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, 113, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 37.090, 165.147 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, 113, 82) }
```

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

```
.border{ border-color:rgb(0, 113, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 113, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 37.090, 165.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 82) }
```

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

```
.background{ background-color: rgb(0, 113,  
82) }
```

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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