

Converting Colors

CIELCh(39, 65.566, 177.561)

Have a look what the booklet for
CIELCh(39, 65.566, 177.561)
contains.

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Color

CIELCh(42, 35.911, 167.419)

Conversions

Conversions Part 1

Format	Color
Hex	007155
RGB	0, 113, 85
RGB Percent	0%, 44%, 33%
CMY	1.0000, 0.5561, 0.6657
CMYK	1.00, 0.00, 0.25, 0.56
HSL	165°, 100%, 22%
HSV	165°, 100%, 44%
XYZ	7.5518, 12.5000, 10.6598
YIQ	76.0210, -58.3600, -32.6640

Conversions

Conversions Part 2

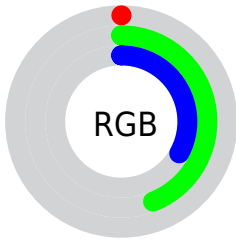
Format	Color
RYB	0, 64, 113
Decimal	29013
CIELab	42.00, -35.05, 7.82
CIELCh	42, 35.911, 167.419
Yxy	12.5000, 0.2459, 0.4070
Android (android.graphics.Color)	4278219093 (0xFF007155)
YUV	76.0210, 4.4266, -66.6704
Hunter-Lab	35.3553, -23.7449, 6.8725

Details

The CIELCh color **42, 35.911, 167.419** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 48.677, 22.977**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 35.884, 167.353**, and **23, 27.275, 159.485** is the 20% darker color. If you saturate the color by 10%, you get **42, 35.777, 167.322**, and if you desaturate by 10%, it is **42, 33.918, 169.028**.

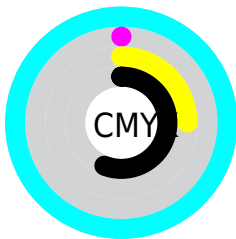
Distribution



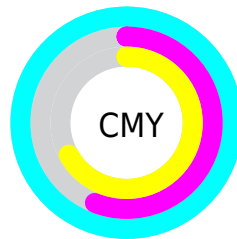
- Red (0%)
- Green (44%)
- Blue (33%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (67%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 35.911, 167.419 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, 35.911, 167.419 by changing the saturation by 10% instead.


 42, 35.911,
167.419


 42, 35.911,
167.419


 100, 35.911,
167.419


 32, 35.911,
167.419

 62, 35.911,
167.419


 22, 35.911,
167.419


 72, 35.911,
167.419

 12, 35.911,
167.419

 82, 35.911,
167.419

 2, 35.911, 167.419

 92, 35.911,
167.419

 0, 35.911, 167.419

 42, 35.911,

 42, 35.911,

167.419

167.419

■ 42, 35.777,
167.322

■ 42, 33.918,
169.028

■ 42, 31.784,
170.705

■ 43, 29.149,
172.218

■ 43, 26.021,
173.584

■ 44, 22.437,
174.825

■ 44, 18.456,
175.962

■ 45, 14.149,
177.013

■ 46, 9.591, 177.997

Harmonies

Complementary

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



42, 35.911, 167.419



22, 48.677, 22.977

Rectangle

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



42, 35.911, 167.419



42, 35.911, 217.419



42, 35.911, 347.419



42, 35.911, 37.419

Sweetspot

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



42, 35.777, 167.322



58, 17.590, 176.932



41, 63.628, 133.469



29, 11.845, 176.600



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, 35.777, 167.322



54, 43.744, 166.745



33, 24.851, 244.016



23, 2.712, 179.042



44, 37.337, 167.187



87, 64.886, 165.954

Inverse Universe

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



22, 48.677, 22.977



30, 59.664, 24.635



25, 51.116, 45.185



22, 2.792, 0.479



24, 50.825, 23.366



52, 88.912, 26.856

Previews

White Background



This preview shows how the CIE LCh color 42, 35.911, 167.419 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, 35.911, 167.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

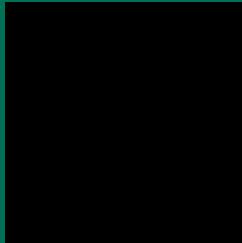
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 35.911, 167.419

Background



This preview shows how black text looks on a background with the CIELCh color 42, 35.911, 167.419.



This preview shows how white text looks on a background with the CIELCh color 42, 35.911, 167.419.

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, 35.771, 167.247

Protanopia

42, 12.888, 96.176

Deuteranopia

42, 8.318, 45.844



Tritanopia
42, 22.286, 211.342

Trichromacy



Original Color
42, 35.771, 167.247

Protanomaly
41, 20.678, 154.709

Deuteranomaly
40, 15.262, 163.650

Tritanomaly
42, 26.177, 189.750

Monochromacy



Original Color
42, 35.771, 167.247

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 17.772, 174.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 35.911, 167.419 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 35.911, 167.419 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, 85) }
```

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

```
.border{ border-color:rgb(0, 113, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 113, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 35.911, 167.419 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, 85) }
```

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

```
.background{ background-color: rgb(0, 113,  
85) }
```

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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