

Converting Colors

CIELCh(39, 62.476, 175.374)

Have a look what the booklet for
CIELCh(39, 62.476, 175.374)
contains.

CIELCh(42, 36.955, 164.968)	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, 36.955, 164.968)

Conversions

Conversions Part 1

Format	Color
Hex	017152
RGB	1, 113, 82
RGB Percent	0%, 44%, 32%
CMY	0.9971, 0.5556, 0.6773
CMYK	0.99, 0.00, 0.27, 0.56
HSL	163°, 99%, 22%
HSV	163°, 99%, 44%
XYZ	7.4843, 12.5000, 10.0600
YIQ	75.9780, -56.8010, -33.3850

Conversions

Conversions Part 2

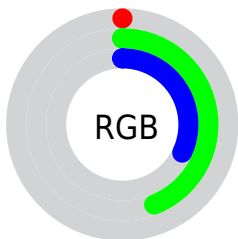
Format	Color
R_{YB}	1, 66, 113
Decimal	94546
CIE Lab	42.00, -35.69, 9.58
CIE LCh	42, 36.955, 164.968
Yxy	12.5000, 0.2491, 0.4161
Android (android.graphics.Color)	4278284626 (0xFF017152)
YUV	75.9780, 2.9688, -65.7557
Hunter-Lab	35.3553, -24.0854, 7.8784

Details

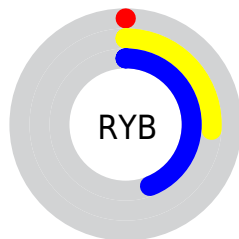
The CIELCh color **42, 36.955, 164.968** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 47.826, 20.256**, and the grayscale version is **32, 0.005, 296.813**.

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, 37.091, 164.856**, and if you desaturate by 10%, it is **42, 34.931, 166.752**.

Distribution



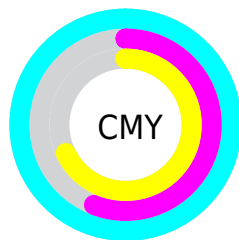
- Red (0%)
- Green (44%)
- Blue (32%)



- Red (0%)
- Yellow (26%)
- Blue (44%)



- Cyan (99%)
- 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, 36.955, 164.968 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, 36.955, 164.968 by changing the saturation by 10% instead.


 42, 36.955,
164.968


 42, 36.955,
164.968


 100, 36.955,
164.968


 32, 36.955,
164.968

 62, 36.955,
164.968


 22, 36.955,
164.968

 72, 36.955,
164.968

 12, 36.955,
164.968

 82, 36.955,
164.968

 2, 36.955, 164.968

 92, 36.955,
164.968

 0, 36.955, 164.968

 42, 36.955,

 42, 36.955,

164.968

164.968

■ 42, 37.091,
164.856

■ 42, 34.931,
166.752

■ 42, 32.604,
168.488

■ 43, 29.779,
170.053

■ 43, 26.468,
171.463

■ 44, 22.713,
172.739

■ 44, 18.576,
173.902

■ 45, 14.130,
174.973

■ 46, 9.451, 175.971

Harmonies

Complementary

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



42, 36.955, 164.968



22, 47.826, 20.256

Rectangle

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



42, 36.955, 164.968



42, 36.955, 214.968



42, 36.955, 344.968



42, 36.955, 34.968

Sweetspot

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



42, 36.955, 164.967



58, 17.929, 174.822



42, 63.004, 132.895



29, 12.080, 174.483



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, 36.955, 164.967



54, 45.352, 164.256



35, 24.188, 236.976



23, 2.754, 176.963



44, 38.683, 164.718



87, 67.353, 163.433

Inverse Universe

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



22, 47.826, 20.256



31, 58.762, 22.177



24, 51.561, 43.601



22, 2.829, 358.412



24, 50.118, 20.907



52, 87.388, 24.419

Previews

White Background



This preview shows how the CIELCh color 42, 36.955, 164.968 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, 36.955, 164.968 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, 36.955, 164.968

Background



This preview shows how black text looks on a background with the CIELCh color 42, 36.955, 164.968.



This preview shows how white text looks on a background with the CIELCh color 42, 36.955, 164.968.

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, 36.885, 164.914

Protanopia

42, 14.156, 95.136

Deuteranopia

42, 9.707, 53.943



Tritanopia
42, 22.120, 211.468

Trichromacy



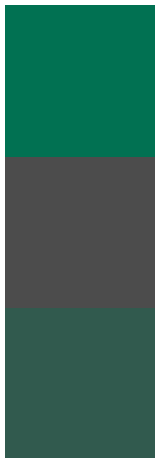
Original Color
42, 36.885, 164.914

Protanomaly
41, 21.764, 150.758

Deuteranomaly
40, 16.168, 157.816

Tritanomaly
42, 26.271, 188.419

Monochromacy



Original Color
42, 36.885, 164.914

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 17.814, 172.104

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 36.955, 164.968 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, 113, 82)` looks like.

```
.text, #text, p{  
    color:rgb(1, 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(1, 113, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 113, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 36.955, 164.968 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, 113, 82) }
```

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

```
.border{ border-color:rgb(1, 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(1, 113, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 113, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 113, 82);  
box-shadow:4px 4px 4px 4px rgb(1, 113, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 36.955, 164.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 113, 82) }
```

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

```
.background{ background-color: rgb(1, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor