

Converting Colors

CIELCh(42, 46.914, 152.001)

Have a look what the booklet for
CIELCh(42, 46.914, 152.001)
contains.

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Color

CIELCh(42, 46.915, 151.785)

Conversions

Conversions Part 1

Format	Color
Hex	00733D
RGB	0, 115, 61
RGB Percent	0%, 45%, 24%
CMY	1.0000, 0.5505, 0.7622
CMYK	1.00, 0.00, 0.47, 0.55
HSL	152°, 100%, 22%
HSV	152°, 100%, 45%
XYZ	6.9078, 12.5000, 6.4141
YIQ	74.4590, -51.2060, -41.1740

Conversions

Conversions Part 2

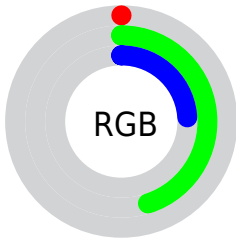
Format	Color
RYB	0, 75, 115
Decimal	29501
CIELab	42.00, -41.34, 22.18
CIELCh	42, 46.915, 151.785
Yxy	12.5000, 0.2675, 0.4841
Android (android.graphics.Color)	4278219581 (0xFF00733D)
YUV	74.4590, -6.6353, -65.3005
Hunter-Lab	35.3553, -26.9959, 13.9925

Details

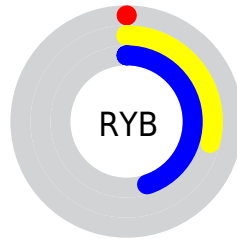
The CIELCh color **42, 46.915, 151.785** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **23, 46.916, 2.692**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 47.090, 151.726**, and **23, 38.446, 142.660** is the 20% darker color. If you saturate the color by 10%, you get **42, 46.855, 151.727**, and if you desaturate by 10%, it is **42, 43.771, 153.661**.

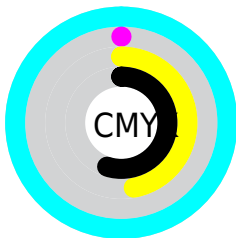
Distribution



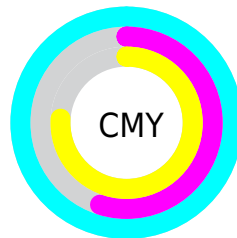
- Red (0%)
- Green (45%)
- Blue (24%)



- Red (0%)
- Yellow (29%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 46.915, 151.785 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, 46.915, 151.785 by changing the saturation by 10% instead.


 42, 46.915,
151.785


 42, 46.915,
151.785


 100, 46.915,
151.785


 32, 46.915,
151.785


 62, 46.915,
151.785


 22, 46.915,
151.785

 72, 46.915,
151.785

 12, 46.915,
151.785

 82, 46.915,
151.785

 2, 46.915, 151.785

 92, 46.915,
151.785

 0, 46.915, 151.785

 42, 46.915,

 42, 46.915,

151.785

■ 42, 46.855,
151.727

151.785

■ 42, 43.771,
153.661

■ 42, 40.380,
155.593

■ 43, 36.487,
157.332

■ 43, 32.118,
158.883

■ 44, 27.332,
160.262

■ 45, 22.208,
161.489

■ 45, 16.831,
162.586

■ 46, 11.287,
163.577

Harmonies

Complementary

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



42, 46.915, 151.785



23, 46.916, 2.692

Rectangle

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



42, 46.915, 151.785



42, 46.915, 201.785



42, 46.915, 331.785



42, 46.915, 21.785

Sweetspot

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



42, 46.855, 151.727



58, 20.729, 162.507



43, 60.365, 127.887



29, 14.010, 162.165



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, 46.855, 151.727



54, 57.030, 151.099



43, 27.152, 198.901



23, 3.124, 164.582



44, 48.490, 151.606



86, 85.160, 150.204

Inverse Universe

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



23, 46.916, 2.692



31, 56.318, 3.914



23, 55.597, 37.728



22, 3.166, 345.928



25, 48.423, 2.924



53, 82.508, 5.723

Previews

White Background



This preview shows how the CIELCh color 42, 46.915, 151.785 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, 46.915, 151.785 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, 46.915, 151.785

Background



This preview shows how black text looks on a background with the CIELCh color 42, 46.915, 151.785.



This preview shows how white text looks on a background with the CIELCh color 42, 46.915, 151.785.

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, 46.915, 151.785

Protanopia

42, 26.460, 95.796

Deuteranopia

42, 21.003, 74.796



Tritanopia
42, 20.813, 212.535

Trichromacy



Original Color
42, 46.915, 151.785

Protanomaly
41, 32.470, 135.012

Deuteranomaly
40, 25.459, 133.548

Tritanomaly
42, 27.505, 179.513

Monochromacy



Original Color
42, 46.915, 151.785

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 21.188, 160.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 46.915, 151.785 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, 115, 61)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 61)  
}
```

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, 115, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 46.915, 151.785 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, 115, 61) }
```

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

```
.border{ border-color:rgb(0, 115, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 115, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 61);  
box-shadow:4px 4px 4px 4px rgb(0, 115, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 46.915, 151.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 61) }
```

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

```
.background{ background-color: rgb(0, 115,  
61) }
```

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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