

Converting Colors

CIELCh(41, 53.517, 162.755)

Have a look what the booklet for
CIELCh(41, 53.517, 162.755)
contains.

CIELCh(42, 43.471, 155.828)	3
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Color

CIELCh(42, 43.471, 155.828)

Conversions

Conversions Part 1

Format	Color
Hex	007244
RGB	0, 114, 68
RGB Percent	0%, 45%, 27%
CMY	1.0000, 0.5520, 0.7321
CMYK	1.00, 0.00, 0.40, 0.55
HSL	156°, 100%, 22%
HSV	156°, 100%, 45%
XYZ	7.0762, 12.5000, 7.5593
YIQ	74.6700, -53.1780, -38.4740

Conversions

Conversions Part 2

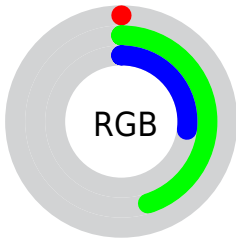
Format	Color
RYB	0, 71, 114
Decimal	29252
CIELab	42.00, -39.66, 17.80
CIELCh	42, 43.471, 155.828
Yxy	12.5000, 0.2608, 0.4607
Android (android.graphics.Color)	4278219332 (0xFF007244)
YUV	74.6700, -3.2883, -65.4856
Hunter-Lab	35.3553, -26.1462, 12.0720

Details

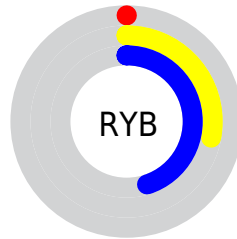
The CIELCh color **42, 43.471, 155.828** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **23, 46.729, 9.047**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 43.244, 155.812**, and **23, 35.398, 146.405** is the 20% darker color. If you saturate the color by 10%, you get **42, 43.353, 155.719**, and if you desaturate by 10%, it is **42, 40.621, 157.644**.

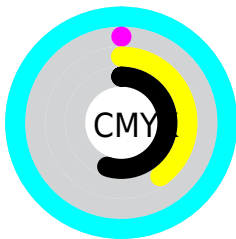
Distribution



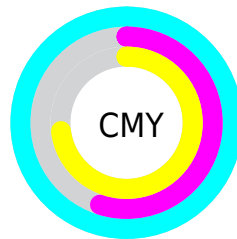
- Red (0%)
- Green (45%)
- Blue (27%)



- Red (0%)
- Yellow (28%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (55%)



- Cyan (100%)
- Magenta (55%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 43.471, 155.828 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, 43.471, 155.828 by changing the saturation by 10% instead.

 42, 43.471,
155.828


 42, 43.471,
155.828


 100, 43.471,
155.828

 32, 43.471,
155.828

 62, 43.471,
155.828


 22, 43.471,
155.828

 72, 43.471,
155.828

 12, 43.471,
155.828

 82, 43.471,
155.828

 2, 43.471, 155.828

 92, 43.471,
155.828

 0, 43.471, 155.828

 42, 43.471,

 42, 43.471,

155.828

■ 42, 43.353,
155.719

155.828

■ 42, 40.621,
157.644

■ 42, 37.604,
159.557

■ 43, 34.094,
161.278

■ 43, 30.110,
162.817

■ 44, 25.704,
164.192

■ 44, 20.947,
165.425

■ 45, 15.921,
166.537

■ 46, 10.705,
167.551

Harmonies

Complementary

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



42, 43.471, 155.828



23, 46.729, 9.047

Rectangle

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



42, 43.471, 155.828



42, 43.471, 205.828



42, 43.471, 335.828



42, 43.471, 25.828

Sweetspot

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



42, 43.353, 155.719



58, 19.655, 166.455



42, 61.445, 129.861



29, 13.272, 166.108



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, 43.353, 155.719



54, 52.842, 155.087



40, 25.109, 210.226



23, 2.979, 168.592



44, 44.966, 155.591



86, 78.801, 154.195

Inverse Universe

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



23, 46.729, 9.047



31, 56.393, 10.469



23, 54.522, 39.252



22, 3.031, 350.000



24, 48.368, 9.334



53, 83.014, 12.527

Previews

White Background



This preview shows how the CIELCh color 42, 43.471, 155.828 looks on a white background.

Color Contrast Check

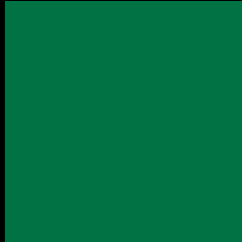
Large Text (above 18pt) WCAG AA ✓ Pass

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, 43.471, 155.828 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, 43.471, 155.828

Background



This preview shows how black text looks on a background with the CIELCh color 42, 43.471, 155.828.



This preview shows how white text looks on a background with the CIELCh color 42, 43.471, 155.828.

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, 43.354, 155.633

Protanopia

42, 22.431, 95.933

Deuteranopia

42, 16.876, 70.960



Tritanopia
42, 21.193, 212.216

Trichromacy



Original Color
42, 43.354, 155.633

Protanomaly
41, 28.989, 138.842

Deuteranomaly
40, 22.277, 140.100

Tritanomaly
42, 27.070, 181.954

Monochromacy



Original Color
42, 43.354, 155.633

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 19.290, 165.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 43.471, 155.828 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, 114, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 68)  
}
```

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, 114, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 43.471, 155.828 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, 114, 68) }
```

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

```
.border{ border-color:rgb(0, 114, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 114, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 114, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 43.471, 155.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 68) }
```

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

```
.background{ background-color: rgb(0, 114,  
68) }
```

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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