

Converting Colors

CIELCh(42, 66.142, 136.517)

Have a look what the booklet for
CIELCh(42, 66.142, 136.517)
contains.

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Color

CIELCh(42, 66.170, 136.499)

Conversions

Conversions Part 1

Format	Color
Hex	007404
RGB	0, 116, 4
RGB Percent	0%, 45%, 2%
CMY	1.0000, 0.5451, 0.9843
CMYK	1.00, 0.00, 0.97, 0.55
HSL	122°, 100%, 23%
HSV	122°, 100%, 45%
XYZ	6.2676, 12.5000, 2.1973
YIQ	68.5480, -33.1840, -59.4240

Conversions

Conversions Part 2

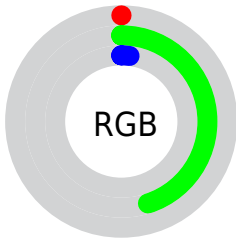
Format	Color
RYB	0, 112, 116
Decimal	29700
CIELab	42.00, -48.00, 45.55
CIELCh	42, 66.170, 136.499
Yxy	12.5000, 0.2990, 0.5962
Android (android.graphics.Color)	4278219780 (0xFF007404)
YUV	68.5480, -31.8222, -60.1166
Hunter-Lab	35.3553, -30.2284, 21.0640

Details

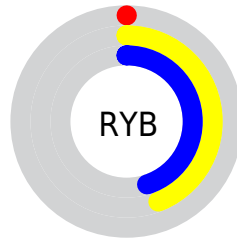
The CIELCh color **42, 66.170, 136.499** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **26, 62.945, 329.592**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.009, 136.613**, and **23, 44.989, 136.570** is the 20% darker color. If you saturate the color by 10%, you get **42, 66.171, 136.499**, and if you desaturate by 10%, it is **42, 63.309, 137.161**.

Distribution



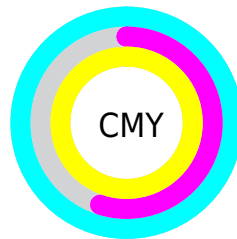
- Red (0%)
- Green (45%)
- Blue (2%)



- Red (0%)
- Yellow (44%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (97%)
- Black (55%)



- Cyan (100%)
- Magenta (55%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 66.170, 136.499 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, 66.170, 136.499 by changing the saturation by 10% instead.

 42, 66.170,
136.499


 42, 66.170,
136.499

 100, 66.170,
136.499

 32, 66.170,
136.499

 62, 66.170,
136.499


 22, 66.170,
136.499

 72, 66.170,
136.499

 12, 66.170,
136.499

 82, 66.170,
136.499

 2, 66.170, 136.499

 92, 66.170,
136.499

 0, 66.170, 136.499

 42, 66.170,

 42, 66.170,

136.499

136.499

■ 42, 66.171,
136.499

■ 42, 63.309,
137.161

■ 42, 59.291,
138.137

■ 43, 53.954,
139.256

■ 43, 47.564,
140.405

■ 44, 40.392,
141.502

■ 45, 32.679,
142.501

■ 45, 24.631,
143.387

■ 46, 16.416,
144.158

Harmonies

Complementary

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



42, 66.170, 136.499



26, 62.945, 329.592

Rectangle

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



42, 66.170, 136.499



42, 66.170, 186.499



42, 66.170, 316.499



42, 66.170, 6.499

Sweetspot

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



42, 66.170, 136.500



58, 30.478, 143.323



47, 54.217, 104.832



30, 20.931, 143.037



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42, 66.170, 136.500



54, 80.102, 136.374



43, 47.082, 151.919



24, 4.639, 144.890



44, 68.810, 136.471



86, 117.409, 136.208

Inverse Universe

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



26, 62.945, 329.592



35, 75.916, 329.628



24, 47.293, 3.135



23, 4.647, 325.828



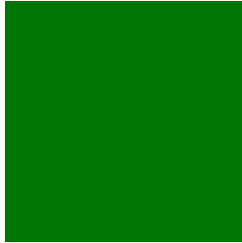
28, 65.402, 329.600



59, 110.722, 329.679

Previews

White Background



This preview shows how the CIELCh color 42, 66.170, 136.499 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, 66.170, 136.499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

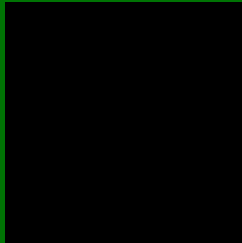
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 66.170, 136.499

Background



This preview shows how black text looks on a background with the CIELCh color 42, 66.170, 136.499.



This preview shows how white text looks on a background with the CIELCh color 42, 66.170, 136.499.

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, 66.170, 136.499

Protanopia

42, 48.897, 95.162

Deuteranopia

42, 42.214, 82.355



Tritanopia
42, 19.581, 213.645

Trichromacy



Original Color
42, 66.170, 136.499

Protanomaly
40, 53.107, 120.341

Deuteranomaly
40, 46.403, 116.606

Tritanomaly
42, 35.257, 158.880

Monochromacy



Original Color
42, 66.170, 136.499

Achromatopsia
29, 0.005, 296.813

Achromatomaly
33, 31.171, 141.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 66.170, 136.499 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, 116, 4)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 4)  
}
```

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, 116, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 66.170, 136.499 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, 116, 4) }
```

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

```
.border{ border-color:rgb(0, 116, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 116, 4); box-shadow:4px  
4px 4px 4px rgb(0, 116, 4) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 66.170, 136.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 4) }
```

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

```
.background{ background-color: rgb(0, 116,  
4) }
```

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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