

Converting Colors

CIELCh(42, 54.854, 144.365)

Have a look what the booklet for
CIELCh(42, 54.854, 144.365)
contains.

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Color

CIELCh(42, 54.846, 144.311)

Conversions

Conversions Part 1

Format	Color
Hex	01732A
RGB	1, 115, 42
RGB Percent	0%, 45%, 16%
CMY	0.9973, 0.5479, 0.8343
CMYK	0.99, 0.00, 0.63, 0.55
HSL	142°, 99%, 23%
HSV	142°, 99%, 45%
XYZ	6.5944, 12.5000, 4.2802
YIQ	72.5920, -44.5110, -46.8710

Conversions

Conversions Part 2

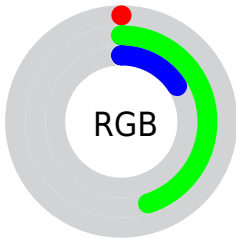
Format	Color
RYB	1, 85, 115
Decimal	95018
CIELab	42.00, -44.55, 32.00
CIElCh	42, 54.846, 144.311
Yxy	12.5000, 0.2821, 0.5348
Android (android.graphics.Color)	4278285098 (0xFF01732A)
YUV	72.5920, -15.0819, -62.7862
Hunter-Lab	35.3553, -28.5785, 17.5709

Details

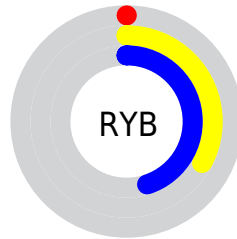
The CIELCh color **42, 54.846, 144.311** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **24, 49.824, 348.463**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 54.877, 144.255**, and **23, 44.475, 136.657** is the 20% darker color. If you saturate the color by 10%, you get **42, 55.059, 144.215**, and if you desaturate by 10%, it is **42, 51.134, 146.125**.

Distribution



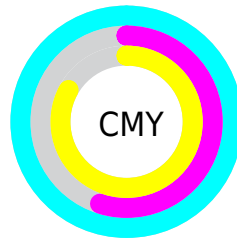
- Red (0%)
- Green (45%)
- Blue (16%)



- Red (0%)
- Yellow (33%)
- Blue (45%)



- Cyan (99%)
- Magenta (0%)
- Yellow (63%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 54.846, 144.311 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, 54.846, 144.311 by changing the saturation by 10% instead.


 42, 54.846,
144.311


 42, 54.846,
144.311


 100, 54.846,
144.311


 32, 54.846,
144.311

 62, 54.846,
144.311


 22, 54.846,
144.311

 72, 54.846,
144.311

 12, 54.846,
144.311

 82, 54.846,
144.311

 2, 54.846, 144.311

 92, 54.846,
144.311

 0, 54.846, 144.311

 42, 54.846,

 42, 54.846,

144.311

144.311

■ 42, 55.059,
144.215

■ 42, 51.134,
146.125

■ 42, 46.964,
147.964

■ 43, 42.208,
149.635

■ 43, 36.927,
151.125

■ 44, 31.211,
152.440

■ 45, 25.163,
153.597

■ 45, 18.887,
154.613

■ 46, 12.483,
155.512

Harmonies

Complementary

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



42, 54.846, 144.311



24, 49.824, 348.463

Rectangle

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



42, 54.846, 144.311



42, 54.846, 194.311



42, 54.846, 324.311



42, 54.846, 14.311

Sweetspot

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



42, 54.846, 144.311



58, 23.949, 154.482



44, 57.338, 121.533



30, 16.440, 154.150



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, 54.846, 144.311



54, 67.645, 143.611



43, 32.174, 177.004



24, 3.662, 156.348



45, 57.660, 144.066



87, 100.534, 142.814

Inverse Universe

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



24, 49.824, 348.463



33, 60.211, 349.306



23, 51.965, 30.347



23, 3.686, 337.526



26, 52.039, 348.754



55, 87.322, 350.332

Previews

White Background



This preview shows how the CIELCh color 42, 54.846, 144.311 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, 54.846, 144.311 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, 54.846, 144.311

Background



This preview shows how black text looks on a background with the CIELCh color 42, 54.846, 144.311.



This preview shows how white text looks on a background with the CIELCh color 42, 54.846, 144.311.

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, 54.783, 144.245

Protanopia
42, 35.502, 96.066

Deuteranopia
42, 30.381, 79.116



Tritanopia
42, 20.214, 213.059

Trichromacy



Original Color
42, 54.783, 144.245

Protanomaly
41, 40.449, 127.812

Deuteranomaly
40, 33.899, 124.406

Tritanomaly
42, 29.884, 170.811

Monochromacy



Original Color
42, 54.783, 144.245

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 23.623, 153.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 54.846, 144.311 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, 115, 42)` looks like.

```
.text, #text, p{  
    color:rgb(1, 115, 42)  
}
```

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, 115, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 115, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 54.846, 144.311 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, 115, 42) }
```

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

```
.border{ border-color:rgb(1, 115, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 115, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 115, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 115, 42);  
box-shadow:4px 4px 4px 4px rgb(1, 115, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 54.846, 144.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 115, 42) }
```

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

```
.background{ background-color: rgb(1, 115,  
42) }
```

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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