

Converting Colors

CIELCh(42, 51.946, 139.870)

Have a look what the booklet for
CIELCh(42, 51.946, 139.870)
contains.

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Color

CIELCh(42, 51.905, 140.048)

Conversions

Conversions Part 1

Format	Color
Hex	237228
RGB	35, 114, 40
RGB Percent	14%, 45%, 16%
CMY	0.8636, 0.5536, 0.8438
CMYK	0.69, 0.00, 0.65, 0.55
HSL	124°, 53%, 29%
HSV	124°, 69%, 45%
XYZ	7.0630, 12.5000, 4.0332
YIQ	81.9430, -23.3300, -39.7620

Conversions

Conversions Part 2

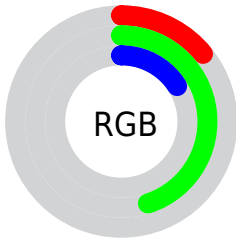
Format	Color
RYB	35, 109, 114
Decimal	2322984
CIELab	42.00, -39.79, 33.33
CIELCh	42, 51.905, 140.048
Yxy	12.5000, 0.2993, 0.5297
Android (android.graphics.Color)	4280513064 (0xFF237228)
YUV	81.9430, -20.6779, -41.1690
Hunter-Lab	35.3553, -26.2124, 17.9852

Details

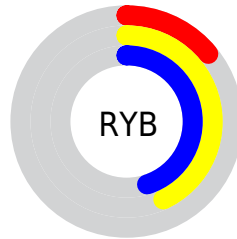
The CIELCh color **42, 51.905, 140.048** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **29, 50.847, 329.747**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 52.177, 139.945**, and **23, 44.475, 136.657** is the 20% darker color. If you saturate the color by 10%, you get **42, 57.273, 138.842**, and if you desaturate by 10%, it is **42, 45.603, 141.243**.

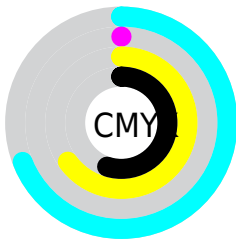
Distribution



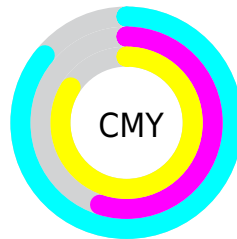
- Red (14%)
- Green (45%)
- Blue (16%)



- Red (14%)
- Yellow (43%)
- Blue (45%)



- Cyan (69%)
- Magenta (0%)
- Yellow (65%)
- Black (55%)





- Cyan (86%)
- Magenta (55%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 51.905, 140.048 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, 51.905, 140.048 by changing the saturation by 10% instead.


 42, 51.905,
140.048


 42, 51.905,
140.048


 100, 51.905,
140.048


 32, 51.905,
140.048

 62, 51.905,
140.048


 22, 51.905,
140.048

 72, 51.905,
140.048

 12, 51.905,
140.048

 82, 51.905,
140.048

 2, 51.905, 140.048

 92, 51.905,
140.048

 0, 51.905, 140.048

 42, 51.905,

 42, 51.905,

140.048

■ 42, 57.273,
138.842

■ 41, 61.466,
137.724

■ 41, 64.463,
136.956

■ 41, 64.613,
136.925

140.048

■ 42, 45.603,
141.243

■ 43, 38.602,
142.359

■ 44, 31.116,
143.365

■ 45, 23.331,
144.251

■ 46, 15.399,
145.022

■ 47, 7.445, 145.695

■ 48, 0.440, 325.825

■ 49, 8.186, 326.700

■ 51, 15.750,

Harmonies

Complementary

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



42, 51.905, 140.048



29, 50.847, 329.747

Rectangle

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



42, 51.905, 140.048



42, 51.905, 190.048



42, 51.905, 320.048



42, 51.905, 10.048

Sweetspot

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



42, 51.905, 140.048



58, 20.621, 144.869



46, 43.265, 106.700



29, 13.871, 144.715



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, 51.905, 140.048



53, 72.272, 138.186



43, 35.360, 158.574



23, 4.379, 145.724



43, 67.121, 136.874



85, 115.963, 136.398

Inverse Universe

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



29, 50.847, 329.747



36, 69.238, 330.348



27, 38.195, 355.327



22, 4.387, 326.663



27, 63.004, 330.846



58, 107.304, 331.007

Previews

White Background



This preview shows how the CIELCh color 42, 51.905, 140.048 looks on a white background.

Color Contrast Check

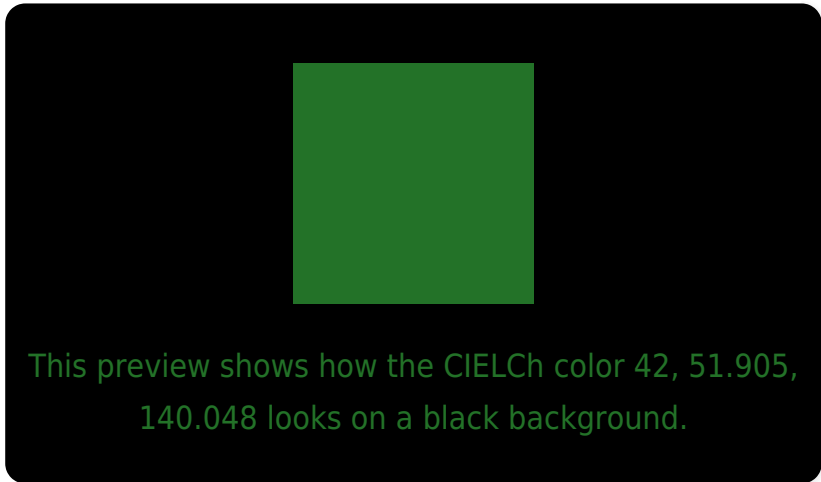
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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, 51.905, 140.048

Background



This preview shows how black text looks on a background with the CIELCh color 42, 51.905, 140.048.



This preview shows how white text looks on a background with the CIELCh color 42, 51.905, 140.048.

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, 51.905, 140.048

Protanopia

42, 36.471, 96.132

Deuteranopia

42, 31.904, 80.096



Tritanopia
42, 17.475, 215.919

Trichromacy



Original Color
42, 51.905, 140.048

Protanomaly
41, 39.226, 119.160

Deuteranomaly
41, 33.383, 114.200

Tritanomaly
42, 25.967, 167.097

Monochromacy



Original Color
42, 51.905, 140.048

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 20.804, 144.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 51.905, 140.048 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(35, 114, 40)` looks like.

```
.text, #text, p{  
    color:rgb(35, 114, 40)  
}
```

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(35, 114, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 114, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 51.905, 140.048 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(35, 114, 40) }
```

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

```
.border{ border-color:rgb(35, 114, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 114, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 114, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 114, 40);  
box-shadow:4px 4px 4px 4px rgb(35, 114,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 51.905, 140.048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 114, 40) }
```

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

```
.background{ background-color: rgb(35, 114,  
40) }
```

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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