

Converting Colors

CIELCh(30, 42.026, 141.100)

Have a look what the booklet for
CIELCh(30, 42.026, 141.100)
contains.

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Color

CIELCh(30, 42.119, 140.916)

Conversions

Conversions Part 1

Format	Color
Hex	12521A
RGB	18, 82, 26
RGB Percent	7%, 32%, 10%
CMY	0.9295, 0.6785, 0.8981
CMYK	0.78, 0.00, 0.68, 0.68
HSL	128°, 64%, 20%
HSV	128°, 78%, 32%
XYZ	3.4520, 6.2359, 1.9984
YIQ	56.4800, -20.1680, -30.9840

Conversions

Conversions Part 2

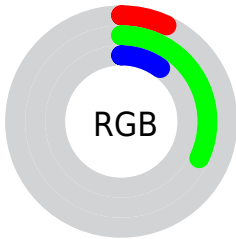
Format	Color
RYB	18, 75, 82
Decimal	1200666
CIELab	30.00, -32.69, 26.55
CIELCh	30, 42.119, 140.916
Yxy	6.2359, 0.2954, 0.5336
Android (android.graphics.Color)	4279390746 (0xFF12521A)
YUV	56.4800, -15.0266, -33.7470
Hunter-Lab	24.9718, -19.0256, 12.7355

Details

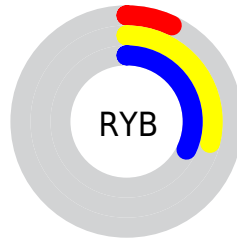
The CIELCh color **30, 42.119, 140.916** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **19, 40.790, 332.280**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 41.986, 141.016**, and **11, 27.694, 143.266** is the 20% darker color. If you saturate the color by 10%, you get **30, 45.836, 139.610**, and if you desaturate by 10%, it is **30, 37.744, 142.191**.

Distribution



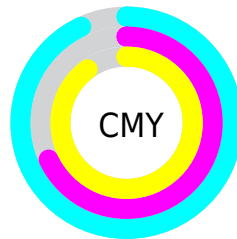
- Red (7%)
- Green (32%)
- Blue (10%)



- Red (7%)
- Yellow (29%)
- Blue (32%)



- Cyan (78%)
- Magenta (0%)
- Yellow (68%)
- Black (68%)





- Cyan (93%)
- Magenta (68%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 42.119, 140.916 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 30, 42.119, 140.916 by changing the saturation by 10% instead.


 30, 42.119,
140.916


 30, 42.119,
140.916


 100, 42.119,
140.916


 20, 42.119,
140.916


 50, 42.119,
140.916


 10, 42.119,
140.916

 60, 42.119,
140.916

 0, 42.119, 140.916

 70, 42.119,
140.916

 80, 42.119,
140.916

 90, 42.119,
140.916

■ 30, 42.119,
140.916

■ 30, 42.119,
140.916

■ 30, 45.836,
139.610

■ 30, 37.744,
142.191

■ 30, 48.957,
138.611

■ 31, 32.845,
143.380

■ 30, 49.501,
138.484

■ 31, 27.551,
144.456

■ 32, 21.985,
145.411

■ 32, 16.252,
146.249

■ 33, 10.445,
146.982

■ 34, 4.638, 147.631

■ 35, 1.111, 328.009

Harmonies

Complementary

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



30, 42.119, 140.916



19, 40.790, 332.280

Rectangle

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



30, 42.119, 140.916



30, 42.119, 190.916



30, 42.119, 320.916



30, 42.119, 10.916

Sweetspot

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



30, 42.119, 140.916



43, 16.607, 146.572



33, 36.579, 109.784



21, 11.362, 146.410



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 42.119, 140.916



39, 58.533, 138.468



31, 27.917, 161.632



16, 3.204, 147.590



38, 59.326, 137.970



81, 108.733, 137.063

Inverse Universe

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



19, 40.790, 332.280



24, 54.376, 333.296



17, 31.531, 1.692



15, 3.211, 328.480



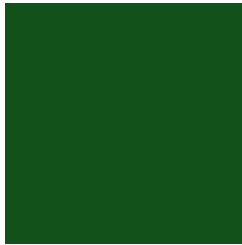
23, 54.677, 333.600



53, 97.426, 334.027

Previews

White Background



This preview shows how the CIELCh color 30, 42.119, 140.916 looks on a white background.

Color Contrast Check

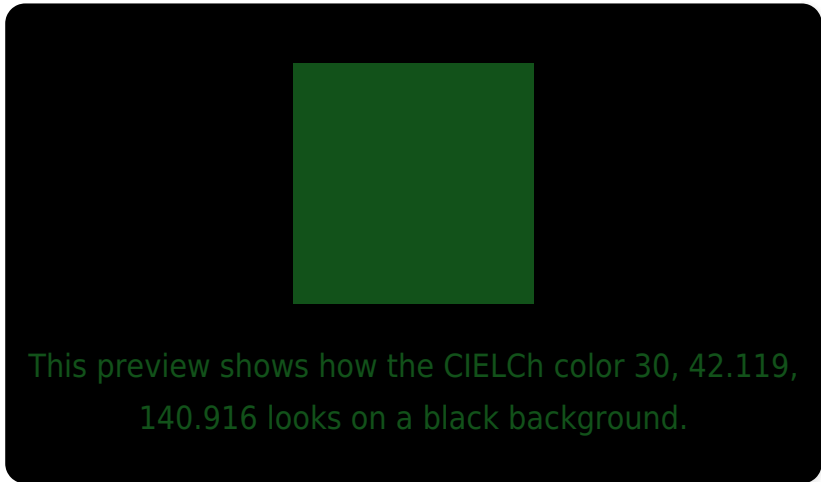
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

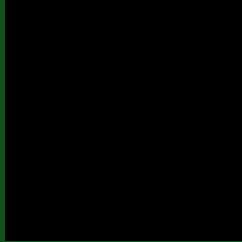
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 42.119, 140.916

Background



This preview shows how black text looks on a background with the CIELCh color 30, 42.119, 140.916.



This preview shows how white text looks on a background with the CIELCh color 30, 42.119, 140.916.

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

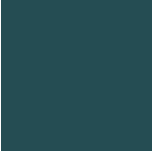
30, 42.119, 140.916

Protanopia

30, 29.325, 96.434

Deuteranopia

30, 25.096, 81.146



Tritanopia
30, 14.485, 213.000

Trichromacy



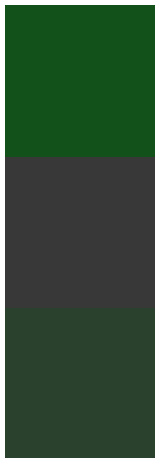
Original Color
30, 42.119, 140.916

Protanomaly
29, 31.830, 120.793

Deuteranomaly
29, 26.825, 115.938

Tritanomaly
30, 21.891, 166.438

Monochromacy



Original Color
30, 42.119, 140.916

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 16.809, 145.921

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 42.119, 140.916 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(18, 82, 26)` looks like.

```
.text, #text, p{  
    color:rgb(18, 82, 26)  
}
```

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(18, 82, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 82, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 42.119, 140.916 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(18, 82, 26) }
```

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

```
.border{ border-color:rgb(18, 82, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 82, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 82, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 82, 26);  
box-shadow:4px 4px 4px 4px rgb(18, 82, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 42.119, 140.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 82, 26) }
```

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

```
.background{ background-color: rgb(18, 82,  
26) }
```

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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