

Converting Colors

CIELCh(46, 62.835, 140.002)

Have a look what the booklet for
CIELCh(46, 62.835, 140.002)
contains.

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Color

CIELCh(46, 62.924, 140.098)

Conversions

Conversions Part 1

Format	Color
Hex	0D7F22
RGB	13, 127, 34
RGB Percent	5%, 50%, 13%
CMY	0.9492, 0.5036, 0.8683
CMYK	0.90, 0.00, 0.73, 0.50
HSL	131°, 81%, 27%
HSV	131°, 90%, 50%
XYZ	7.9833, 15.2687, 4.0084
YIQ	82.3120, -38.0910, -53.0910

Conversions

Conversions Part 2

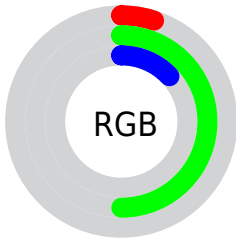
Format	Color
RYB	13, 109, 127
Decimal	884514
CIELab	46.00, -48.27, 40.36
CIELCh	46, 62.924, 140.098
Yxy	15.2687, 0.2929, 0.5601
Android (android.graphics.Color)	4279074594 (0xFF0D7F22)
YUV	82.3120, -23.8178, -60.7866
Hunter-Lab	39.0751, -31.9130, 21.2706

Details

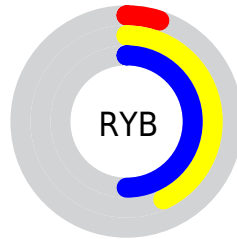
The CIELCh color **46, 62.924, 140.098** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **29, 58.298, 335.864**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 63.046, 140.016**, and **27, 49.854, 136.062** is the 20% darker color. If you saturate the color by 10%, you get **46, 66.709, 138.745**, and if you desaturate by 10%, it is **46, 58.197, 141.634**.

Distribution



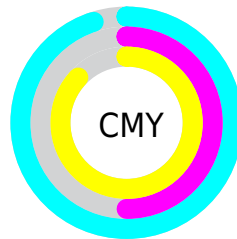
- Red (5%)
- Green (50%)
- Blue (13%)



- Red (5%)
- Yellow (43%)
- Blue (50%)



- Cyan (90%)
- Magenta (0%)
- Yellow (73%)
- Black (50%)





- Cyan (95%)
- Magenta (50%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 62.924, 140.098 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 46, 62.924, 140.098 by changing the saturation by 10% instead.

 46, 62.924,
140.098


 46, 62.924,
140.098


 100, 62.924,
140.098


 36, 62.924,
140.098

 66, 62.924,
140.098

 26, 62.924,
140.098

 76, 62.924,
140.098

 16, 62.924,
140.098

 86, 62.924,
140.098

 6, 62.924, 140.098

 96, 62.924,
140.098

 0, 62.924, 140.098

 46, 62.924,

 46, 62.924,

140.098

140.098

■ 46, 66.709,
138.745

■ 46, 58.197,
141.634

■ 46, 66.790,
138.720

■ 47, 52.525,
143.120

■ 47, 46.065,
144.495

■ 48, 38.990,
145.730

■ 49, 31.469,
146.819

■ 50, 23.662,
147.769

■ 51, 15.709,
148.594

■ 52, 7.727, 149.318

Harmonies

Complementary

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



46, 62.924, 140.098



29, 58.298, 335.864

Rectangle

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



46, 62.924, 140.098



46, 62.924, 190.098



46, 62.924, 320.098



46, 62.924, 10.098

Sweetspot

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



46, 62.924, 140.099



64, 26.768, 147.953



50, 56.056, 112.247



33, 18.169, 147.706



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 62.924, 140.099



59, 82.078, 138.319



47, 40.721, 162.078



26, 4.486, 149.364



46, 67.158, 138.707



0, 0.000, 0.000

Inverse Universe

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



29, 58.298, 335.864



38, 72.760, 336.968



27, 48.165, 11.520



25, 4.499, 330.396



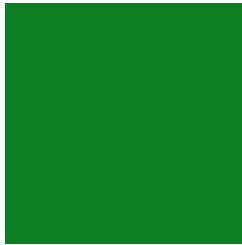
28, 60.274, 336.728



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 62.924, 140.098 looks on a white background.

Color Contrast Check

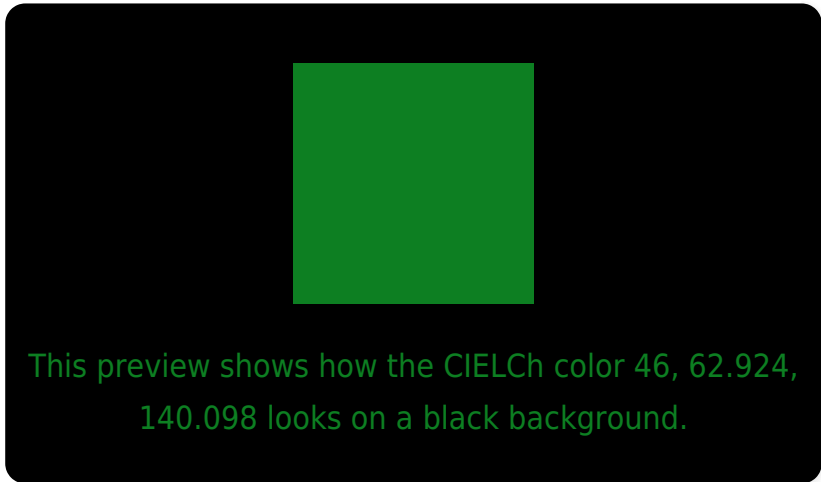
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 62.924, 140.098

Background



This preview shows how black text looks on a background with the CIELCh color 46, 62.924, 140.098.



This preview shows how white text looks on a background with the CIELCh color 46, 62.924, 140.098.

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

46, 62.985, 140.162

Protanopia

46, 44.096, 95.679

Deuteranopia

46, 38.276, 80.916



Tritanopia
46, 21.111, 213.870

Trichromacy



Original Color
46, 62.985, 140.162



Protanomaly
44, 48.015, 122.300



Deuteranomaly
44, 41.375, 118.219



Tritanomaly
45, 32.638, 166.450

Monochromacy



Original Color
46, 62.985, 140.162



Achromatopsia
35, 0.005, 296.813



Achromatomaly
38, 27.021, 146.381

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 62.924, 140.098 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(13, 127, 34)` looks like.

```
.text, #text, p{  
    color:rgb(13, 127, 34)  
}
```

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(13, 127, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 127, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 62.924, 140.098 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(13, 127, 34) }
```

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

```
.border{ border-color:rgb(13, 127, 34) }
```

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

Here you see how a box with a 4 pixel rgb(13, 127, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 127, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 127, 34);  
box-shadow:4px 4px 4px 4px rgb(13, 127,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 62.924, 140.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 127, 34) }
```

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

```
.background{ background-color: rgb(13, 127,  
34) }
```

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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