

Converting Colors

CIELCh(46, 62.101, 142.073)

Have a look what the booklet for
CIELCh(46, 62.101, 142.073)
contains.

CIELCh(46, 61.952, 142.054)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 61.952, 142.054)

Conversions

Conversions Part 1

Format	Color
Hex	007F27
RGB	0, 127, 39
RGB Percent	0%, 50%, 15%
CMY	1.0000, 0.5027, 0.8478
CMYK	1.00, 0.00, 0.69, 0.50
HSL	138°, 100%, 25%
HSV	138°, 100%, 50%
XYZ	7.9197, 15.2687, 4.4326
YIQ	78.9950, -47.4440, -54.2920

Conversions

Conversions Part 2

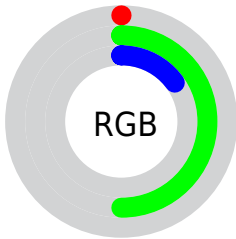
Format	Color
RYB	0, 97, 127
Decimal	32551
CIELab	46.00, -48.85, 38.10
CIELCh	46, 61.952, 142.054
Yxy	15.2687, 0.2867, 0.5528
Android (android.graphics.Color)	4278222631 (0xFF007F27)
YUV	78.9950, -19.7175, -69.2786
Hunter-Lab	39.0751, -32.2035, 20.6269

Details

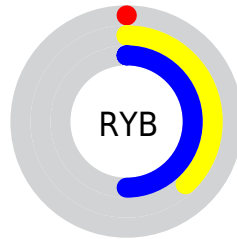
The CIELCh color **46, 61.952, 142.054** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **27, 55.122, 344.628**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 61.862, 142.247**, and **27, 49.854, 136.062** is the 20% darker color. If you saturate the color by 10%, you get **46, 61.923, 142.025**, and if you desaturate by 10%, it is **46, 57.942, 143.771**.

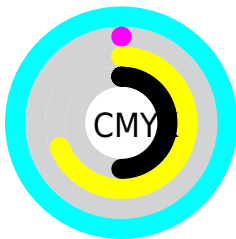
Distribution



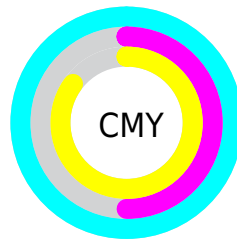
- Red (0%)
- Green (50%)
- Blue (15%)



- Red (0%)
- Yellow (38%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (50%)





- Cyan (100%)
- Magenta (50%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 61.952, 142.054 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, 61.952, 142.054 by changing the saturation by 10% instead.


 46, 61.952,
142.054


 46, 61.952,
142.054


 100, 61.952,
142.054


 36, 61.952,
142.054

 66, 61.952,
142.054


 26, 61.952,
142.054

 76, 61.952,
142.054

 16, 61.952,
142.054

 86, 61.952,
142.054

 6, 61.952, 142.054

 96, 61.952,
142.054

 0, 61.952, 142.054

 46, 61.952,

 46, 61.952,

142.054

142.054

■ 46, 61.923,
142.025

■ 46, 57.942,
143.771

■ 46, 53.353,
145.576

■ 47, 48.053,
147.237

■ 47, 42.125,
148.728

■ 48, 35.682,
150.047

■ 49, 28.850,
151.203

■ 50, 21.757,
152.213

■ 51, 14.518,
153.099

Harmonies

Complementary

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



46, 61.952, 142.054



27, 55.122, 344.628

Rectangle

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



46, 61.952, 142.054



46, 61.952, 192.054



46, 61.952, 322.054



46, 61.952, 12.054

Sweetspot

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



46, 61.923, 142.025



64, 27.077, 152.145



49, 60.728, 119.422



33, 18.590, 151.798



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, 61.923, 142.025



59, 76.181, 141.506



47, 36.750, 171.483



26, 4.095, 153.955



46, 62.185, 142.013



0, 0.000, 0.000

Inverse Universe

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



27, 55.122, 344.628



37, 66.711, 345.152



25, 54.490, 27.517



25, 4.116, 335.095



27, 55.335, 344.640



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 61.952, 142.054 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 46, 61.952, 142.054 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 46, 61.952, 142.054

Background



This preview shows how black text looks on a background with the CIELCh color 46, 61.952, 142.054.



This preview shows how white text looks on a background with the CIELCh color 46, 61.952, 142.054.

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, 61.952, 142.054

Protanopia

46, 42.023, 95.591

Deuteranopia

46, 36.368, 79.996



Tritanopia
46, 21.318, 213.686

Trichromacy



Original Color

46, 61.952, 142.054



Protanomaly

44, 46.660, 125.201



Deuteranomaly

44, 40.185, 122.076



Tritanomaly

45, 32.696, 168.810

Monochromacy



Original Color

46, 61.952, 142.054



Achromatopsia

34, 0.005, 296.813



Achromatomaly

37, 27.356, 150.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 61.952, 142.054 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, 127, 39)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 39)  
}
```

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, 127, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 61.952, 142.054 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, 127, 39) }
```

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

```
.border{ border-color:rgb(0, 127, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 39);  
box-shadow:4px 4px 4px 4px rgb(0, 127, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 61.952, 142.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 39) }
```

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

```
.background{ background-color: rgb(0, 127,  
39) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor