

Converting Colors

CIELCh(46, 40.518, 162.028)

Have a look what the booklet for
CIELCh(46, 40.518, 162.028)
contains.

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Color

CIELCh(46, 40.208, 162.319)

Conversions

Conversions Part 1

Format	Color
Hex	0B7C57
RGB	11, 124, 87
RGB Percent	4%, 49%, 34%
CMY	0.9570, 0.5123, 0.6575
CMYK	0.91, 0.00, 0.30, 0.51
HSL	160°, 84%, 27%
HSV	160°, 91%, 49%
XYZ	9.1233, 15.2687, 11.5534
YIQ	85.9950, -55.4710, -35.4630

Conversions

Conversions Part 2

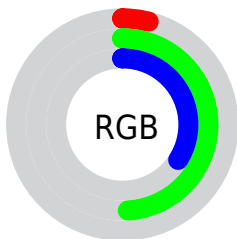
Format	Color
RYB	11, 79, 124
Decimal	752727
CIELab	46.00, -38.31, 12.21
CIELCh	46, 40.208, 162.319
Yxy	15.2687, 0.2538, 0.4248
Android (android.graphics.Color)	4278942807 (0xFF0B7C57)
YUV	85.9950, 0.4955, -65.7706
Hunter-Lab	39.0751, -26.7051, 9.8223

Details

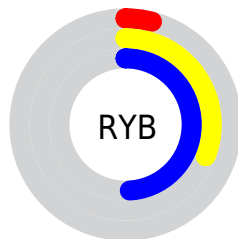
The CIELCh color **46, 40.208, 162.319** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 47.954, 12.681**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 39.816, 162.452**, and **27, 32.764, 154.566** is the 20% darker color. If you saturate the color by 10%, you get **46, 42.328, 160.629**, and if you desaturate by 10%, it is **46, 37.528, 164.213**.

Distribution



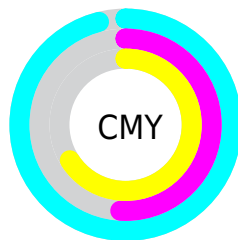
- Red (4%)
- Green (49%)
- Blue (34%)



- Red (4%)
- Yellow (31%)
- Blue (49%)



- Cyan (91%)
- Magenta (0%)
- Yellow (30%)
- Black (51%)





- Cyan (96%)
- Magenta (51%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 40.208, 162.319 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, 40.208, 162.319 by changing the saturation by 10% instead.


 46, 40.208,
162.319


 46, 40.208,
162.319


 100, 40.208,
162.319


 36, 40.208,
162.319

 66, 40.208,
162.319


 26, 40.208,
162.319

 76, 40.208,
162.319

 16, 40.208,
162.319

 86, 40.208,
162.319

 6, 40.208, 162.319

 96, 40.208,
162.319

 0, 40.208, 162.319

 46, 40.208,

 46, 40.208,

162.319

162.319

■ 46, 42.328,
160.629

■ 46, 37.528,
164.213

■ 47, 34.315,
165.920

■ 47, 30.575,
167.451

■ 48, 26.351,
168.826

■ 48, 21.713,
170.067

■ 49, 16.741,
171.196

■ 50, 11.521,
172.236

■ 51, 6.133, 173.212

Harmonies

Complementary

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



46, 40.208, 162.319



26, 47.954, 12.681

Rectangle

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



46, 40.208, 162.319



46, 40.208, 212.319



46, 40.208, 342.319



46, 40.208, 32.319

Sweetspot

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



46, 40.208, 162.318



63, 17.965, 171.575



46, 63.891, 131.711



32, 12.152, 171.282



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



46, 40.208, 162.318



58, 51.470, 160.068



41, 25.006, 224.779



25, 3.052, 173.419



46, 42.482, 160.618



88, 73.034, 159.346

Inverse Universe

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



26, 47.954, 12.681



34, 61.173, 18.019



27, 52.864, 41.470



24, 3.123, 354.897



25, 50.671, 16.612



53, 86.479, 19.877

Previews

White Background



This preview shows how the CIELCh color 46, 40.208, 162.319 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 CIE LCh color 46, 40.208, 162.319 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, 40.208, 162.319

Background



This preview shows how black text looks on a background with the CIELCh color 46, 40.208, 162.319.



This preview shows how white text looks on a background with the CIELCh color 46, 40.208, 162.319.

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, 40.146, 162.270

Protanopia

46, 16.910, 95.521

Deuteranopia

46, 11.749, 57.206



Tritanopia
46, 23.237, 212.112

Trichromacy



Original Color
46, 40.146, 162.270

Protanomaly
45, 23.753, 146.279

Deuteranomaly
44, 16.857, 149.644

Tritanomaly
46, 27.523, 187.684

Monochromacy



Original Color
46, 40.146, 162.270

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 18.324, 169.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 40.208, 162.319 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(11, 124, 87)` looks like.

```
.text, #text, p{  
    color:rgb(11, 124, 87)  
}
```

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(11, 124, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 124, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 40.208, 162.319 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(11, 124, 87) }
```

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

```
.border{ border-color:rgb(11, 124, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 124, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 124, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 124, 87);  
box-shadow:4px 4px 4px 4px rgb(11, 124,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 40.208, 162.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 124, 87) }
```

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

```
.background{ background-color: rgb(11, 124,  
87) }
```

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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