

Converting Colors

CIELCh(46, 30.883, 182.621)

Have a look what the booklet for
CIELCh(46, 30.883, 182.621)
contains.

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Color

CIELCh(46, 30.822, 182.635)

Conversions

Conversions Part 1

Format	Color
Hex	0F7A6E
RGB	15, 122, 110
RGB Percent	6%, 48%, 43%
CMY	0.9409, 0.5198, 0.5669
CMYK	0.88, 0.00, 0.10, 0.52
HSL	173°, 78%, 27%
HSV	173°, 88%, 48%
XYZ	10.0521, 15.2687, 17.2949
YIQ	88.6390, -59.9200, -26.4160

Conversions

Conversions Part 2

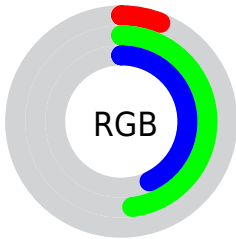
Format	Color
RYB	15, 72, 122
Decimal	1014382
CIELab	46.00, -30.79, -1.42
CIELCh	46, 30.822, 182.635
Yxy	15.2687, 0.2359, 0.3583
Android (android.graphics.Color)	4279204462 (0xFF0F7A6E)
YUV	88.6390, 10.5310, -64.5814
Hunter-Lab	39.0751, -22.4622, 1.1105

Details

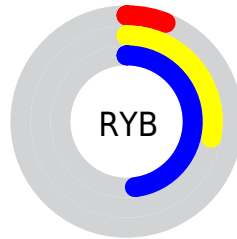
The CIELCh color **46, 30.822, 182.635** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **26, 50.215, 28.377**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 30.866, 182.188**, and **27, 22.429, 180.688** is the 20% darker color. If you saturate the color by 10%, you get **46, 32.010, 181.507**, and if you desaturate by 10%, it is **46, 29.192, 183.696**.

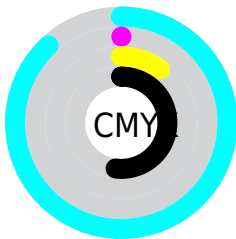
Distribution



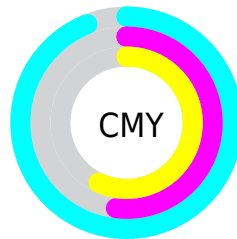
- Red (6%)
- Green (48%)
- Blue (43%)



- Red (6%)
- Yellow (28%)
- Blue (48%)



- Cyan (88%)
- Magenta (0%)
- Yellow (10%)
- Black (52%)





- Cyan (94%)
- Magenta (52%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 30.822, 182.635 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, 30.822, 182.635 by changing the saturation by 10% instead.


 46, 30.822,
182.635


 46, 30.822,
182.635


 100, 30.822,
182.635


 36, 30.822,
182.635

 66, 30.822,
182.635


 26, 30.822,
182.635

 76, 30.822,
182.635

 16, 30.822,
182.635

 86, 30.822,
182.635

 6, 30.822, 182.635

 96, 30.822,
182.635

 0, 30.822, 182.635

 46, 30.822,

 46, 30.822,

182.635

182.635

■ 46, 32.010,
181.507

■ 46, 29.192,
183.696

■ 46, 32.278,
181.254

■ 47, 26.994,
184.675

■ 47, 24.232,
185.589

■ 47, 20.941,
186.454

■ 48, 17.177,
187.284

■ 49, 13.011,
188.090

■ 50, 8.518, 188.884

■ 51, 3.774, 189.702

Harmonies

Complementary

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



46, 30.822, 182.635



26, 50.215, 28.377

Rectangle

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



46, 30.822, 182.635



46, 30.822, 232.635



46, 30.822, 2.635



46, 30.822, 52.635

Sweetspot

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



46, 30.822, 182.634



62, 15.101, 188.175



45, 64.939, 135.582



32, 10.104, 187.958



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 30.822, 182.634



58, 38.976, 180.933



33, 29.115, 262.542



25, 2.757, 189.583



47, 32.757, 181.226



90, 55.513, 180.501

Inverse Universe

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



26, 50.215, 28.377



33, 68.424, 34.631



32, 45.217, 54.502



24, 2.878, 10.839



25, 56.904, 33.416



53, 98.720, 36.107

Previews

White Background



This preview shows how the CIELCh color 46, 30.822, 182.635 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, 30.822, 182.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

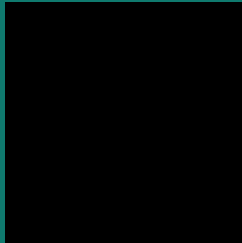
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 30.822, 182.635

Background



This preview shows how black text looks on a background with the CIELCh color 46, 30.822, 182.635.



This preview shows how white text looks on a background with the CIELCh color 46, 30.822, 182.635.

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, 30.744, 182.609

Protanopia

46, 3.921, 84.304

Deuteranopia

46, 7.004, 330.423



Tritanopia
46, 24.848, 209.512

Trichromacy



Original Color
46, 30.744, 182.609

Protanomaly
45, 14.716, 178.702

Deuteranomaly
45, 11.960, 203.864

Tritanomaly
46, 26.596, 197.920

Monochromacy



Original Color
46, 30.744, 182.609

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 14.946, 188.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 30.822, 182.635 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(15, 122, 110)` looks like.

```
.text, #text, p{  
    color:rgb(15, 122, 110)  
}
```

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(15, 122, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 122, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 30.822, 182.635 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(15, 122, 110) }
```

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

```
.border{ border-color:rgb(15, 122, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 122, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 122, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 122, 110);  
box-shadow:4px 4px 4px 4px rgb(15, 122,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 30.822, 182.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 122, 110) }
```

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

```
.background{ background-color: rgb(15, 122,  
110) }
```

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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