

Converting Colors

CIELCh(46, 43.474, 157.964)

Have a look what the booklet for
CIELCh(46, 43.474, 157.964)
contains.

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Color

CIELCh(46, 43.693, 157.784)

Conversions

Conversions Part 1

Format	Color
Hex	097D50
RGB	9, 125, 80
RGB Percent	4%, 49%, 31%
CMY	0.9660, 0.5103, 0.6867
CMYK	0.93, 0.00, 0.36, 0.51
HSL	157°, 87%, 26%
HSV	157°, 93%, 49%
XYZ	8.8697, 15.2687, 10.0469
YIQ	85.1860, -54.6910, -38.5870

Conversions

Conversions Part 2

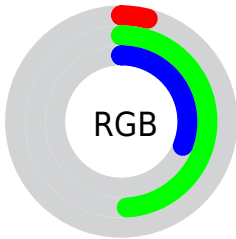
Format	Color
RYB	9, 81, 125
Decimal	621904
CIELab	46.00, -40.45, 16.52
CIELCh	46, 43.693, 157.784
Yxy	15.2687, 0.2595, 0.4466
Android (android.graphics.Color)	4278811984 (0xFF097D50)
YUV	85.1860, -2.5567, -66.8151
Hunter-Lab	39.0751, -27.8634, 12.1081

Details

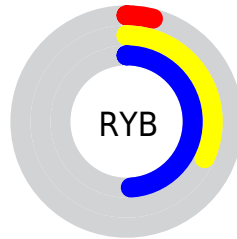
The CIELCh color **46, 43.693, 157.784** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 48.249, 8.132**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 43.796, 157.959**, and **27, 36.132, 149.993** is the 20% darker color. If you saturate the color by 10%, you get **46, 45.615, 156.431**, and if you desaturate by 10%, it is **46, 40.735, 159.777**.

Distribution



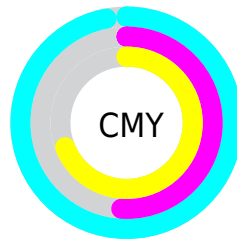
- Red (4%)
- Green (49%)
- Blue (31%)



- Red (4%)
- Yellow (32%)
- Blue (49%)



- Cyan (93%)
- Magenta (0%)
- Yellow (36%)
- Black (51%)





- Cyan (97%)
- Magenta (51%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 43.693, 157.784 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, 43.693, 157.784 by changing the saturation by 10% instead.


 46, 43.693,
157.784


 46, 43.693,
157.784


 100, 43.693,
157.784

 36, 43.693,
157.784

 66, 43.693,
157.784


 26, 43.693,
157.784

 76, 43.693,
157.784

 16, 43.693,
157.784

 86, 43.693,
157.784

 6, 43.693, 157.784

 96, 43.693,
157.784

 0, 43.693, 157.784

 46, 43.693,

 46, 43.693,

157.784

157.784

■ 46, 45.615,
156.431

■ 46, 40.735,
159.777

■ 47, 37.249,
161.578

■ 47, 33.235,
163.191

■ 48, 28.738,
164.631

■ 48, 23.827,
165.921

■ 49, 18.587,
167.083

■ 50, 13.107,
168.139

■ 51, 7.471, 169.116

Harmonies

Complementary

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



46, 43.693, 157.784



26, 48.249, 8.132

Rectangle

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



46, 43.693, 157.784



46, 43.693, 207.784



46, 43.693, 337.784



46, 43.693, 27.784

Sweetspot

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



46, 43.693, 157.784



63, 19.697, 167.558



46, 63.548, 130.123



32, 13.472, 167.170



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, 43.693, 157.784



59, 56.035, 155.831



43, 26.008, 212.562



25, 3.172, 169.497



46, 45.636, 156.429



88, 78.669, 155.118

Inverse Universe

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



26, 48.249, 8.132



34, 60.816, 12.370



26, 55.467, 39.204



24, 3.232, 350.945



25, 49.940, 10.976



54, 84.616, 14.057

Previews

White Background



This preview shows how the CIELCh color 46, 43.693, 157.784 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, 43.693, 157.784 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, 43.693, 157.784

Background



This preview shows how black text looks on a background with the CIELCh color 46, 43.693, 157.784.



This preview shows how white text looks on a background with the CIELCh color 46, 43.693, 157.784.

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, 43.693, 157.784

Protanopia

46, 21.096, 94.672

Deuteranopia

46, 15.439, 66.430



Tritanopia
46, 22.886, 212.379

Trichromacy



Original Color
46, 43.693, 157.784



Protanomaly
44, 27.132, 140.957



Deuteranomaly
44, 20.922, 141.967

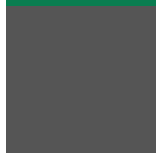


Tritanomaly
46, 28.101, 184.072

Monochromacy



Original Color
46, 43.693, 157.784



Achromatopsia
36, 0.005, 296.813



Achromatomaly
39, 19.993, 165.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 43.693, 157.784 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(9, 125, 80)` looks like.

```
.text, #text, p{  
    color:rgb(9, 125, 80)  
}
```

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(9, 125, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 125, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 43.693, 157.784 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(9, 125, 80) }
```

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

```
.border{ border-color:rgb(9, 125, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 125, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 125, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 125, 80);  
box-shadow:4px 4px 4px 4px rgb(9, 125, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 43.693, 157.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 125, 80) }
```

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

```
.background{ background-color: rgb(9, 125,  
80) }
```

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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