

Converting Colors

CIELCh(44, 54.791, 179.537)

Have a look what the booklet for
CIELCh(44, 54.791, 179.537)
contains.

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Color

CIELCh(46, 35.655, 173.134)

Conversions

Conversions Part 1

Format	Color
Hex	007C65
RGB	0, 124, 101
RGB Percent	0%, 49%, 40%
CMY	1.0000, 0.5147, 0.6046
CMYK	1.00, 0.00, 0.19, 0.51
HSL	169°, 100%, 24%
HSV	169°, 100%, 49%
XYZ	9.4756, 15.2687, 14.7145
YIQ	84.3020, -66.5210, -33.4410

Conversions

Conversions Part 2

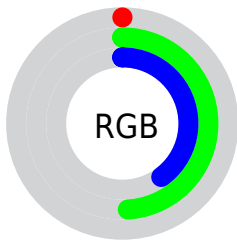
Format	Color
RYB	0, 68, 124
Decimal	31845
CIELab	46.00, -35.40, 4.26
CIELCh	46, 35.655, 173.134
Yxy	15.2687, 0.2401, 0.3870
Android (android.graphics.Color)	4278221925 (0xFF007C65)
YUV	84.3020, 8.2321, -73.9329
Hunter-Lab	39.0751, -25.0960, 5.0258

Details

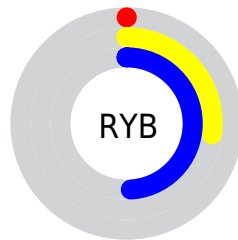
The CIELCh color **46, 35.655, 173.134** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 53.965, 28.485**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 35.363, 173.371**, and **27, 26.926, 166.579** is the 20% darker color. If you saturate the color by 10%, you get **46, 35.448, 173.019**, and if you desaturate by 10%, it is **46, 33.892, 174.562**.

Distribution



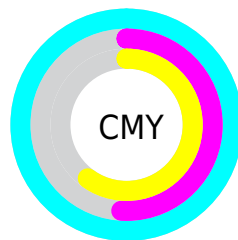
- Red (0%)
- Green (49%)
- Blue (40%)



- Red (0%)
- Yellow (27%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (51%)





- Cyan (100%)
- Magenta (51%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 35.655, 173.134 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, 35.655, 173.134 by changing the saturation by 10% instead.


 46, 35.655,
173.134


 46, 35.655,
173.134


 100, 35.655,
173.134


 36, 35.655,
173.134

 66, 35.655,
173.134


 26, 35.655,
173.134

 76, 35.655,
173.134

 16, 35.655,
173.134

 86, 35.655,
173.134

 6, 35.655, 173.134

 96, 35.655,
173.134

 0, 35.655, 173.134

 46, 35.655,

 46, 35.655,

173.134

173.134

■ 46, 35.448,
173.019

■ 46, 33.892,
174.562

■ 46, 31.996,
176.050

■ 47, 29.545,
177.397

■ 47, 26.540,
178.623

■ 48, 23.016,
179.747

■ 48, 19.031,
180.790

■ 49, 14.658,
181.768

■ 50, 9.978, 182.698

Harmonies

Complementary

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



46, 35.655, 173.134



25, 53.965, 28.485

Rectangle

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



46, 35.655, 173.134



46, 35.655, 223.134



46, 35.655, 353.134



46, 35.655, 43.134

Sweetspot

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



46, 35.448, 173.019



63, 18.115, 181.700



45, 68.549, 134.312



32, 12.347, 181.364



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, 35.448, 173.019



59, 43.089, 172.564



34, 28.228, 254.211



25, 2.832, 183.696



46, 35.701, 173.000



89, 60.833, 171.987

Inverse Universe

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



25, 53.965, 28.485



33, 66.049, 29.912



28, 54.064, 48.050



24, 2.935, 5.103



25, 54.365, 28.544



53, 94.101, 31.643

Previews

White Background



This preview shows how the CIELCh color 46, 35.655, 173.134 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, 35.655, 173.134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

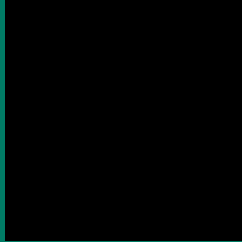
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 35.655, 173.134

Background



This preview shows how black text looks on a background with the CIELCh color 46, 35.655, 173.134.



This preview shows how white text looks on a background with the CIELCh color 46, 35.655, 173.134.

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, 35.507, 172.996

Protanopia

46, 9.248, 92.593

Deuteranopia

46, 6.735, 20.186



Tritanopia
46, 24.407, 211.259

Trichromacy



Original Color
46, 35.507, 172.996

Protanomaly
45, 19.475, 163.718

Deuteranomaly
44, 14.675, 176.127

Tritanomaly
46, 27.413, 193.997

Monochromacy



Original Color
46, 35.507, 172.996

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 17.677, 180.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 35.655, 173.134 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, 124, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 101)  
}
```

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, 124, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 35.655, 173.134 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, 124, 101) }
```

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

```
.border{ border-color:rgb(0, 124, 101) }
```

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

Here you see how a box with a 4 pixel rgb(0, 124, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 35.655, 173.134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 101) }
```

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

```
.background{ background-color: rgb(0, 124,  
101) }
```

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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