

Converting Colors

CIELCh(44, 55.313, 166.775)

Have a look what the booklet for
CIELCh(44, 55.313, 166.775)
contains.

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Color

CIELCh(46, 43.273, 159.174)

Conversions

Conversions Part 1

Format	Color
Hex	027D52
RGB	2, 125, 82
RGB Percent	1%, 49%, 32%
CMY	0.9906, 0.5101, 0.6791
CMYK	0.98, 0.00, 0.34, 0.51
HSL	159°, 96%, 25%
HSV	159°, 98%, 49%
XYZ	8.8702, 15.2687, 10.4304
YIQ	83.3210, -59.5050, -39.4490

Conversions

Conversions Part 2

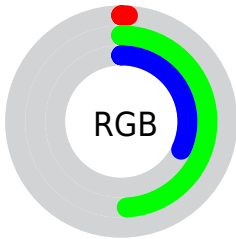
Format	Color
RYB	2, 77, 125
Decimal	163154
CIELab	46.00, -40.45, 15.38
CIElCh	46, 43.273, 159.174
Yxy	15.2687, 0.2566, 0.4417
Android (android.graphics.Color)	4278353234 (0xFF027D52)
YUV	83.3210, -0.6513, -71.3185
Hunter-Lab	39.0751, -27.8614, 11.5263

Details

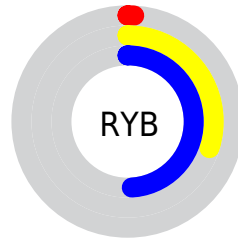
The CIELCh color **46, 43.273, 159.174** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 49.743, 13.489**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 43.413, 159.364**, and **27, 35.208, 151.287** is the 20% darker color. If you saturate the color by 10%, you get **46, 43.770, 158.814**, and if you desaturate by 10%, it is **46, 40.683, 161.151**.

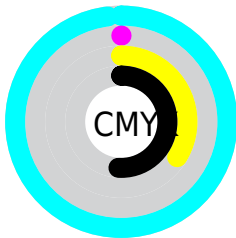
Distribution



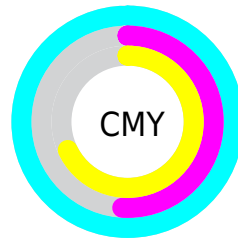
- Red (1%)
- Green (49%)
- Blue (32%)



- Red (1%)
- Yellow (30%)
- Blue (49%)



- Cyan (98%)
- Magenta (0%)
- Yellow (34%)
- Black (51%)





- Cyan (99%)
- Magenta (51%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 43.273, 159.174 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, 43.273, 159.174 by changing the saturation by 10% instead.


 46, 43.273,
159.174


 46, 43.273,
159.174


 100, 43.273,
159.174


 36, 43.273,
159.174

 66, 43.273,
159.174


 26, 43.273,
159.174

 76, 43.273,
159.174

 16, 43.273,
159.174

 86, 43.273,
159.174

 6, 43.273, 159.174

 96, 43.273,
159.174

 0, 43.273, 159.174

 46, 43.273,

 46, 43.273,

159.174

159.174

■ 46, 43.770,
158.814

■ 46, 40.683,
161.151

■ 46, 37.678,
163.019

■ 47, 34.137,
164.698

■ 47, 30.082,
166.201

■ 48, 25.566,
167.549

■ 49, 20.667,
168.764

■ 49, 15.470,
169.869

■ 50, 10.061,
170.886

Harmonies

Complementary

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



46, 43.273, 159.174



26, 49.743, 13.489

Rectangle

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



46, 43.273, 159.174



46, 43.273, 209.174



46, 43.273, 339.174



46, 43.273, 29.174

Sweetspot

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



46, 43.273, 159.174



63, 19.846, 169.696



46, 65.871, 131.224



32, 13.481, 169.313



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, 43.273, 159.174



59, 53.716, 158.223



42, 25.746, 219.788



25, 3.100, 171.758



46, 43.778, 158.813



88, 75.353, 157.521

Inverse Universe

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



26, 49.743, 13.489



34, 61.368, 15.750



26, 57.252, 40.845



24, 3.166, 353.227



25, 50.299, 14.296



53, 85.584, 17.500

Previews

White Background



This preview shows how the CIELCh color 46, 43.273, 159.174 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, 43.273, 159.174 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, 43.273, 159.174

Background



This preview shows how black text looks on a background with the CIELCh color 46, 43.273, 159.174.



This preview shows how white text looks on a background with the CIELCh color 46, 43.273, 159.174.

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, 43.275, 159.253

Protanopia

46, 19.860, 95.467

Deuteranopia

46, 14.536, 63.615



Tritanopia
46, 23.063, 212.243

Trichromacy



Original Color
46, 43.275, 159.253

Protanomaly
44, 27.340, 143.491

Deuteranomaly
44, 20.428, 145.510

Tritanomaly
46, 28.274, 185.368

Monochromacy



Original Color
46, 43.275, 159.253

Achromatopsia
35, 0.005, 296.813

Achromatomaly
38, 19.578, 168.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 43.273, 159.174 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(2, 125, 82)` looks like.

```
.text, #text, p{  
    color:rgb(2, 125, 82)  
}
```

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(2, 125, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 125, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 43.273, 159.174 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(2, 125, 82) }
```

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

```
.border{ border-color:rgb(2, 125, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 125, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 125, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 125, 82);  
box-shadow:4px 4px 4px 4px rgb(2, 125, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 43.273, 159.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 125, 82) }
```

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

```
.background{ background-color: rgb(2, 125,  
82) }
```

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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