

Converting Colors

CIELCh(47, 43.505, 160.054)

Have a look what the booklet for
CIELCh(47, 43.505, 160.054)
contains.

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Color

CIELCh(47, 43.702, 159.825)

Conversions

Conversions Part 1

Format	Color
Hex	008055
RGB	0, 128, 85
RGB Percent	0%, 50%, 33%
CMY	0.9990, 0.4991, 0.6677
CMYK	1.00, 0.00, 0.34, 0.50
HSL	160°, 100%, 25%
HSV	160°, 100%, 50%
XYZ	9.3157, 16.0195, 11.1424
YIQ	84.8260, -62.4850, -40.5090

Conversions

Conversions Part 2

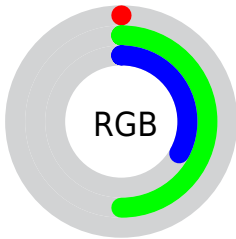
Format	Color
RYB	0, 77, 128
Decimal	32853
CIELab	47.00, -41.02, 15.07
CIELCh	47, 43.702, 159.825
Yxy	16.0195, 0.2554, 0.4392
Android (android.graphics.Color)	4278222933 (0xFF008055)
YUV	84.8260, 0.0858, -74.3924
Hunter-Lab	40.0243, -28.4963, 11.5112

Details

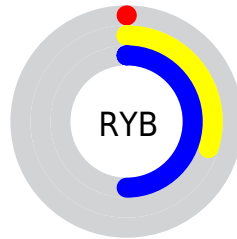
The CIELCh color **47, 43.702, 159.825** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **26, 51.268, 15.683**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 43.757, 159.823**, and **28, 35.445, 151.849** is the 20% darker color. If you saturate the color by 10%, you get **47, 43.753, 159.787**, and if you desaturate by 10%, it is **47, 41.193, 161.781**.

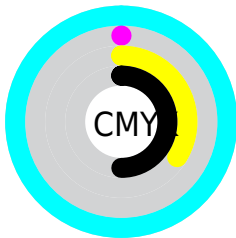
Distribution



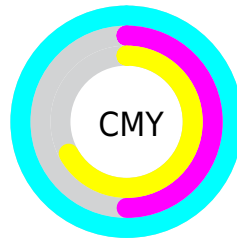
- Red (0%)
- Green (50%)
- Blue (33%)



- Red (0%)
- Yellow (30%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (50%)



- Cyan (100%)
- Magenta (50%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 43.702, 159.825 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 47, 43.702, 159.825 by changing the saturation by 10% instead.


 47, 43.702,
159.825


 47, 43.702,
159.825


 100, 43.702,
159.825


 37, 43.702,
159.825

 67, 43.702,
159.825


 27, 43.702,
159.825

 77, 43.702,
159.825

 17, 43.702,
159.825

 87, 43.702,
159.825

 7, 43.702, 159.825

 97, 43.702,
159.825

 0, 43.702, 159.825

 47, 43.702,

 47, 43.702,

159.825

■ 47, 43.753,
159.787

159.825

■ 47, 41.193,
161.781

■ 47, 38.325,
163.673

■ 48, 34.910,
165.376

■ 48, 30.961,
166.901

■ 49, 26.527,
168.270

■ 50, 21.681,
169.504

■ 50, 16.509,
170.627

■ 51, 11.098,
171.660

Harmonies

Complementary

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



47, 43.702, 159.825



26, 51.268, 15.683

Rectangle

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



47, 43.702, 159.825



47, 43.702, 209.825



47, 43.702, 339.825



47, 43.702, 29.825

Sweetspot

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



47, 43.702, 159.825



64, 20.542, 170.530



47, 67.857, 131.696



33, 14.046, 170.140



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 43.702, 159.825



60, 53.414, 159.226



42, 26.118, 223.627



26, 3.179, 172.702



47, 43.695, 159.791



0, 0.000, 0.000

Inverse Universe

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



26, 51.268, 15.683



35, 62.390, 17.184



27, 58.872, 41.677



25, 3.250, 354.191



26, 51.262, 15.759



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 43.702, 159.825 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 47, 43.702, 159.825 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 47, 43.702, 159.825

Background



This preview shows how black text looks on a background with the CIELCh color 47, 43.702, 159.825.



This preview shows how white text looks on a background with the CIELCh color 47, 43.702, 159.825.

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
47, 43.760, 159.871

Protanopia
47, 20.334, 95.788

Deuteranopia
47, 14.119, 64.936



Tritanopia
47, 23.701, 211.735

Trichromacy



Original Color
47, 43.760, 159.871

Protanomaly
45, 27.693, 144.719

Deuteranomaly
45, 21.086, 147.897

Tritanomaly
47, 28.982, 185.666

Monochromacy



Original Color
47, 43.760, 159.871

Achromatopsia
36, 0.005, 296.813

Achromatomaly
39, 20.714, 168.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 43.702, 159.825 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, 128, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 85)  
}
```

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, 128, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 43.702, 159.825 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, 128, 85) }
```

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

```
.border{ border-color:rgb(0, 128, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 128, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 43.702, 159.825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 85) }
```

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

```
.background{ background-color: rgb(0, 128,  
85) }
```

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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