

Converting Colors

CIELCh(43, 35.509, 175.811)

Have a look what the booklet for
CIELCh(43, 35.509, 175.811)
contains.

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Color

CIELCh(43, 33.271, 174.489)

Conversions

Conversions Part 1

Format	Color
Hex	00735F
RGB	0, 115, 95
RGB Percent	0%, 45%, 37%
CMY	1.0000, 0.5477, 0.6260
CMYK	1.00, 0.00, 0.17, 0.55
HSL	170°, 100%, 23%
HSV	170°, 100%, 45%
XYZ	8.2289, 13.1578, 13.0185
YIQ	78.3350, -62.1200, -30.6000

Conversions

Conversions Part 2

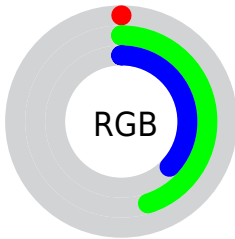
Format	Color
RYB	0, 63, 115
Decimal	29535
CIELab	43.00, -33.12, 3.20
CIELCh	43, 33.271, 174.489
Yxy	13.1578, 0.2392, 0.3824
Android (android.graphics.Color)	4278219615 (0xFF00735F)
YUV	78.3350, 8.2158, -68.6998
Hunter-Lab	36.2736, -22.9849, 4.1125

Details

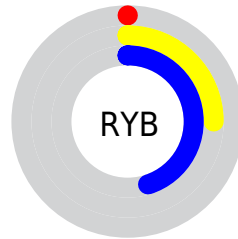
The CIELCh color **43, 33.271, 174.489** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 51.502, 28.936**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 33.493, 173.883**, and **24, 24.446, 168.052** is the 20% darker color. If you saturate the color by 10%, you get **43, 33.157, 174.425**, and if you desaturate by 10%, it is **43, 31.695, 175.876**.

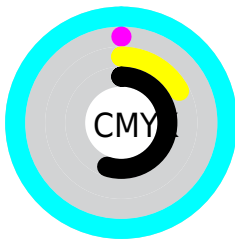
Distribution



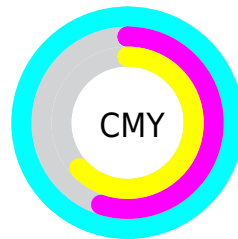
- Red (0%)
- Green (45%)
- Blue (37%)



- Red (0%)
- Yellow (25%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 33.271, 174.489 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 43, 33.271, 174.489 by changing the saturation by 10% instead.

 43, 33.271,
174.489


 43, 33.271,
174.489


 100, 33.271,
174.489

 33, 33.271,
174.489

 63, 33.271,
174.489


 23, 33.271,
174.489

 73, 33.271,
174.489

 13, 33.271,
174.489

 83, 33.271,
174.489

 3, 33.271, 174.489

 93, 33.271,
174.489

 0, 33.271, 174.489

 43, 33.271,

 43, 33.271,

174.489

174.489

■ 43, 33.157,
174.425

■ 43, 31.695,
175.876

■ 43, 29.937,
177.290

■ 44, 27.657,
178.573

■ 44, 24.855,
179.744

■ 45, 21.564,
180.823

■ 45, 17.839,
181.828

■ 46, 13.748,
182.775

■ 47, 9.363, 183.680

Harmonies

Complementary

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



43, 33.271, 174.489



23, 51.502, 28.936

Rectangle

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



43, 33.271, 174.489



43, 33.271, 224.489



43, 33.271, 354.489



43, 33.271, 44.489

Sweetspot

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



43, 33.157, 174.425



59, 17.061, 182.703



42, 65.287, 134.447



30, 11.630, 182.391



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



43, 33.157, 174.425



56, 40.399, 173.954



31, 27.422, 256.815



24, 2.719, 184.657



46, 34.645, 174.310



88, 59.421, 173.308

Inverse Universe

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



23, 51.502, 28.936



31, 63.263, 30.469



27, 50.498, 48.903



23, 2.821, 6.031



24, 53.918, 29.316



52, 94.126, 32.450

Previews

White Background



This preview shows how the CIELCh color 43, 33.271, 174.489 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 43, 33.271, 174.489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

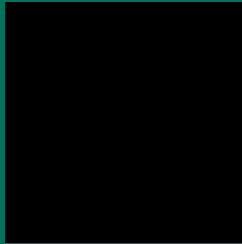
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 33.271, 174.489

Background



This preview shows how black text looks on a background with the CIELCh color 43, 33.271, 174.489.



This preview shows how white text looks on a background with the CIELCh color 43, 33.271, 174.489.

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


43, 33.119, 174.348

Protanopia

43, 8.083, 93.359

Deuteranopia

43, 5.967, 14.384



Tritanopia
43, 23.378, 210.526

Trichromacy



Original Color
43, 33.119, 174.348

Protanomaly
42, 17.963, 166.892

Deuteranomaly
41, 13.376, 181.942

Tritanomaly
43, 26.038, 195.188

Monochromacy



Original Color
43, 33.119, 174.348

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 16.595, 181.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 33.271, 174.489 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, 115, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 95)  
}
```

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, 115, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 33.271, 174.489 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, 115, 95) }
```

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

```
.border{ border-color:rgb(0, 115, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 115, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 115, 95)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 33.271, 174.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 95) }
```

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

```
.background{ background-color: rgb(0, 115,  
95) }
```

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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