

Converting Colors

CIELCh(41, 53.118, 176.991)

Have a look what the booklet for
CIELCh(41, 53.118, 176.991)
contains.

CIELCh(43, 35.058, 170.156)	3
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Color

CIELCh(43, 35.058, 170.156)

Conversions

Conversions Part 1

Format	Color
Hex	00745B
RGB	0, 116, 91
RGB Percent	0%, 45%, 36%
CMY	1.0000, 0.5464, 0.6444
CMYK	1.00, 0.00, 0.22, 0.55
HSL	167°, 100%, 23%
HSV	167°, 100%, 45%
XYZ	8.0710, 13.1578, 11.9404
YIQ	78.4660, -61.1110, -32.3670

Conversions

Conversions Part 2

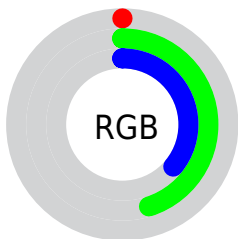
Format	Color
RYB	0, 65, 116
Decimal	29787
CIELab	43.00, -34.54, 5.99
CIELCh	43, 35.058, 170.156
Yxy	13.1578, 0.2433, 0.3967
Android (android.graphics.Color)	4278219867 (0xFF00745B)
YUV	78.4660, 6.1793, -68.8147
Hunter-Lab	36.2736, -23.7623, 5.8747

Details

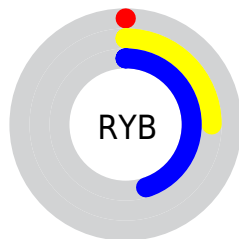
The CIELCh color **43, 35.058, 170.156** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 50.312, 25.666**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 35.278, 170.042**, and **24, 26.778, 162.487** is the 20% darker color. If you saturate the color by 10%, you get **43, 35.002, 170.119**, and if you desaturate by 10%, it is **43, 33.304, 171.744**.

Distribution



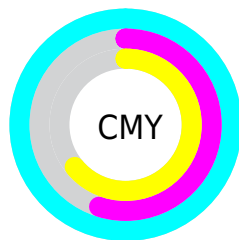
- Red (0%)
- Green (45%)
- Blue (36%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 35.058, 170.156 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, 35.058, 170.156 by changing the saturation by 10% instead.


 43, 35.058,
170.156


 43, 35.058,
170.156


 100, 35.058,
170.156


 33, 35.058,
170.156

 63, 35.058,
170.156


 23, 35.058,
170.156

 73, 35.058,
170.156

 13, 35.058,
170.156

 83, 35.058,
170.156

 3, 35.058, 170.156

 93, 35.058,
170.156

 0, 35.058, 170.156

 43, 35.058,

 43, 35.058,

170.156

■ 43, 35.002,
170.119

170.156

■ 43, 33.304,
171.744

■ 43, 31.314,
173.332

■ 44, 28.807,
174.767

■ 44, 25.789,
176.067

■ 45, 22.296,
177.253

■ 45, 18.384,
178.346

■ 46, 14.125,
179.363

■ 47, 9.594, 180.323

Harmonies

Complementary

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



43, 35.058, 170.156



23, 50.312, 25.666

Rectangle

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



43, 35.058, 170.156



43, 35.058, 220.156



43, 35.058, 350.156



43, 35.058, 40.156

Sweetspot

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



43, 35.002, 170.119



59, 17.491, 179.287



42, 65.055, 134.007



30, 11.936, 178.953



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, 35.002, 170.119



55, 42.619, 169.593



33, 26.214, 250.689



24, 2.771, 181.344



45, 36.507, 169.996



88, 62.814, 168.867

Inverse Universe

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



23, 50.312, 25.666



31, 61.564, 27.246



26, 51.370, 46.998



23, 2.863, 2.774



24, 52.533, 26.040



52, 91.443, 29.356

Previews

White Background



This preview shows how the CIELCh color 43, 35.058, 170.156 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, 35.058, 170.156 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, 35.058, 170.156

Background



This preview shows how black text looks on a background with the CIELCh color 43, 35.058, 170.156.



This preview shows how white text looks on a background with the CIELCh color 43, 35.058, 170.156.

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, 35.058, 170.156

Protanopia

43, 11.097, 94.684

Deuteranopia

43, 7.136, 34.732



Tritanopia
43, 22.917, 210.849

Trichromacy



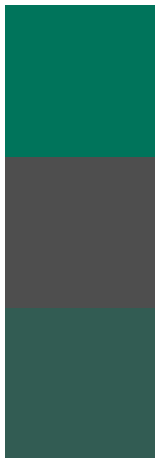
Original Color
43, 35.058, 170.156

Protanomaly
42, 19.615, 159.103

Deuteranomaly
41, 14.143, 169.540

Tritanomaly
43, 26.164, 192.494

Monochromacy



Original Color
43, 35.058, 170.156

Achromatopsia
33, 0.005, 296.813

Achromatomaly
36, 17.137, 178.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 35.058, 170.156 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, 116, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 91)  
}
```

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, 116, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 35.058, 170.156 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, 116, 91) }
```

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

```
.border{ border-color:rgb(0, 116, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 116, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 35.058, 170.156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 91) }
```

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

```
.background{ background-color: rgb(0, 116,  
91) }
```

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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