

Converting Colors

CIELCh(54, 43.917, 166.465)

Have a look what the booklet for
CIELCh(54, 43.917, 166.465)
contains.

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Color

CIELCh(54, 43.806, 166.328)

Conversions

Conversions Part 1

Format	Color
Hex	00936E
RGB	0, 147, 110
RGB Percent	0%, 58%, 43%
CMY	1.0000, 0.4237, 0.5688
CMYK	1.00, 0.00, 0.25, 0.42
HSL	165°, 100%, 29%
HSV	165°, 100%, 58%
XYZ	13.2352, 21.9746, 18.2817
YIQ	98.8290, -75.7350, -42.6710

Conversions

Conversions Part 2

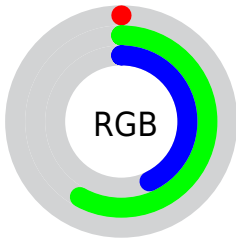
Format	Color
RYB	0, 84, 147
Decimal	37742
CIELab	54.00, -42.56, 10.35
CIELCh	54, 43.806, 166.328
Yxy	21.9746, 0.2474, 0.4108
Android (android.graphics.Color)	4278227822 (0xFF00936E)
YUV	98.8290, 5.5073, -86.6730
Hunter-Lab	46.8770, -31.6375, 9.6913

Details

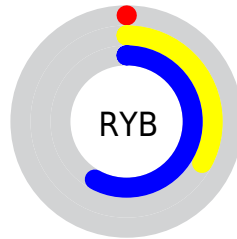
The CIELCh color **54, 43.806, 166.328** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **30, 59.210, 24.190**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 43.741, 166.539**, and **35, 35.413, 159.878** is the 20% darker color. If you saturate the color by 10%, you get **54, 43.799, 166.323**, and if you desaturate by 10%, it is **54, 41.697, 168.191**.

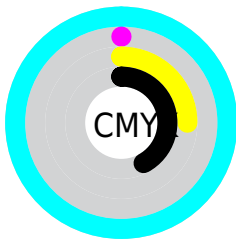
Distribution



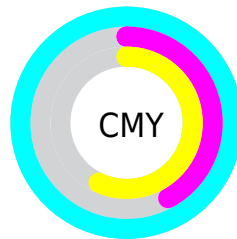
- Red (0%)
- Green (58%)
- Blue (43%)



- Red (0%)
- Yellow (33%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 43.806, 166.328 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 54, 43.806, 166.328 by changing the saturation by 10% instead.


 54, 43.806,
166.328

 54, 43.806,
166.328


 100, 43.806,
166.328

 44, 43.806,
166.328


 74, 43.806,
166.328

 34, 43.806,
166.328

 84, 43.806,
166.328

 24, 43.806,
166.328

 94, 43.806,
166.328

 14, 43.806,
166.328

 4, 43.806, 166.328

 0, 43.806, 166.328

■ 54, 43.806,
166.328

■ 54, 43.806,
166.328

■ 54, 43.799,
166.323

■ 54, 41.697,
168.191

■ 54, 39.153,
169.964

■ 55, 35.979,
171.560

■ 55, 32.175,
172.996

■ 56, 27.783,
174.295

■ 57, 22.879,
175.479

■ 58, 17.554,
176.570

■ 59, 11.904,

177.588

■ 60, 6.024, 178.563

Harmonies

Complementary

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



54, 43.806, 166.328



30, 59.210, 24.190

Rectangle

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



54, 43.806, 166.328



54, 43.806, 216.328



54, 43.806, 346.328



54, 43.806, 36.328

Sweetspot

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



54, 43.799, 166.323



73, 21.735, 176.505



53, 76.847, 133.507



38, 14.825, 176.095



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



54, 43.799, 166.323



69, 53.550, 165.866



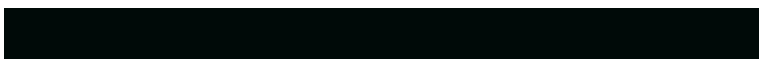
44, 29.719, 241.866



31, 3.423, 178.641



51, 41.697, 166.453



2, 3.024, 179.399

Inverse Universe

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



30, 59.210, 24.190



40, 72.549, 25.474



33, 64.243, 44.979



29, 3.529, 0.172



28, 56.338, 23.821



1, 3.025, 359.385

Previews

White Background



This preview shows how the CIELCh color 54, 43.806, 166.328 looks on a white 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

Black Background



This preview shows how the CIELCh color 54, 43.806, 166.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

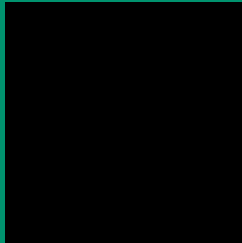
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 43.806, 166.328

Background



This preview shows how black text looks on a background with the CIELCh color 54, 43.806, 166.328.



This preview shows how white text looks on a background with the CIELCh color 54, 43.806, 166.328.

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

54, 43.806, 166.328

Protanopia

54, 15.959, 94.152

Deuteranopia

54, 10.641, 49.136



Tritanopia
54, 27.128, 212.001

Trichromacy



Original Color
54, 43.806, 166.328



Protanomaly
52, 26.079, 153.582



Deuteranomaly
52, 18.852, 161.708



Tritanomaly
54, 31.637, 190.075

Monochromacy



Original Color
54, 43.806, 166.328



Achromatopsia
42, 0.006, 296.813



Achromatomaly
45, 21.155, 175.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 43.806, 166.328 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, 147, 110)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 110)  
}
```

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, 147, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 43.806, 166.328 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, 147, 110) }
```

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

```
.border{ border-color:rgb(0, 147, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 147, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 110);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 43.806, 166.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 110) }
```

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

```
.background{ background-color: rgb(0, 147,  
110) }
```

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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