

Converting Colors

CIELCh(54, 44.631, 165.342)

Have a look what the booklet for
CIELCh(54, 44.631, 165.342)
contains.

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Color

CIELCh(54, 44.562, 165.141)

Conversions

Conversions Part 1

Format	Color
Hex	00936C
RGB	0, 147, 108
RGB Percent	0%, 58%, 42%
CMY	0.9990, 0.4232, 0.5762
CMYK	1.00, 0.00, 0.27, 0.42
HSL	164°, 100%, 29%
HSV	164°, 100%, 58%
XYZ	13.1576, 21.9746, 17.7533
YIQ	98.6010, -75.0930, -43.2930

Conversions

Conversions Part 2

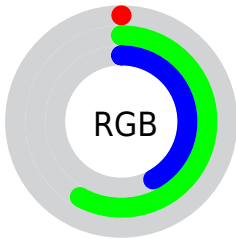
Format	Color
RYB	0, 85, 147
Decimal	37740
CIELab	54.00, -43.07, 11.43
CIELCh	54, 44.562, 165.141
Yxy	21.9746, 0.2488, 0.4155
Android (android.graphics.Color)	4278227820 (0xFF00936C)
YUV	98.6010, 4.6337, -86.4731
Hunter-Lab	46.8770, -31.9327, 10.3596

Details

The CIELCh color **54, 44.562, 165.141** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **30, 58.742, 22.930**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 44.773, 164.853**, and **35, 36.284, 158.436** is the 20% darker color. If you saturate the color by 10%, you get **54, 44.599, 165.110**, and if you desaturate by 10%, it is **54, 42.359, 167.047**.

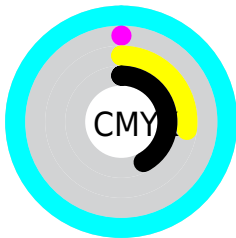
Distribution



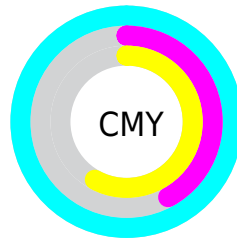
- Red (0%)
- Green (58%)
- Blue (42%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 44.562, 165.141 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, 44.562, 165.141 by changing the saturation by 10% instead.


 54, 44.562,
165.141

 54, 44.562,
165.141


 100, 44.562,
165.141


 44, 44.562,
165.141


 74, 44.562,
165.141

 34, 44.562,
165.141

 84, 44.562,
165.141

 24, 44.562,
165.141

 94, 44.562,
165.141

 14, 44.562,
165.141

 4, 44.562, 165.141

 0, 44.562, 165.141

■ 54, 44.562,
165.141

■ 54, 44.562,
165.141

■ 54, 44.599,
165.110

■ 54, 42.359,
167.047

■ 54, 39.708,
168.853

■ 55, 36.428,
170.479

■ 55, 32.521,
171.941

■ 56, 28.033,
173.260

■ 57, 23.040,
174.460

■ 58, 17.634,
175.563

■ 59, 11.914,

176.589

■ 60, 5.972, 177.570

Harmonies

Complementary

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



54, 44.562, 165.141



30, 58.742, 22.930

Rectangle

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



54, 44.562, 165.141



54, 44.562, 215.141



54, 44.562, 345.141



54, 44.562, 35.141

Sweetspot

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



54, 44.562, 165.140



73, 21.937, 175.480



53, 76.840, 133.505



38, 14.968, 175.065



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, 44.562, 165.140



69, 54.513, 164.645



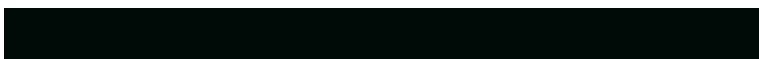
44, 29.718, 241.806



31, 3.449, 177.631



51, 42.428, 165.244



2, 3.045, 178.394

Inverse Universe

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



30, 58.742, 22.930



40, 71.970, 24.293



33, 64.182, 44.965



29, 3.551, 359.169



28, 55.930, 22.634



1, 3.046, 358.380

Previews

White Background



This preview shows how the CIELCh color 54, 44.562, 165.141 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, 44.562, 165.141 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, 44.562, 165.141

Background



This preview shows how black text looks on a background with the CIELCh color 54, 44.562, 165.141.

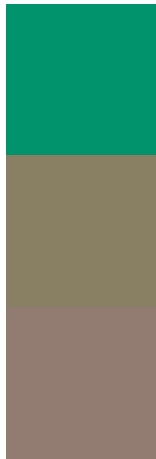


This preview shows how white text looks on a background with the CIELCh color 54, 44.562, 165.141.

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, 44.562, 165.141

Protanopia

54, 17.069, 94.877

Deuteranopia

54, 11.301, 53.990



Tritanopia
54, 26.977, 212.099

Trichromacy



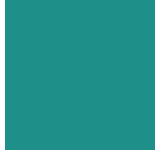
Original Color
54, 44.562, 165.141



Protanomaly
52, 26.940, 151.897



Deuteranomaly
52, 19.625, 159.082



Tritanomaly
54, 31.526, 190.063

Monochromacy



Original Color
54, 44.562, 165.141



Achromatopsia
42, 0.006, 296.813



Achromatomaly
45, 21.460, 174.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 44.562, 165.141 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 44.562, 165.141 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, 108) }
```

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

```
.border{ border-color:rgb(0, 147, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 108);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 44.562, 165.141 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, 108) }
```

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

```
.background{ background-color: rgb(0, 147,  
108) }
```

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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