

Converting Colors

CIELCh(56, 44.638, 166.803)

Have a look what the booklet for
CIELCh(56, 44.638, 166.803)
contains.

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Color

CIELCh(56, 44.921, 166.522)

Conversions

Conversions Part 1

Format	Color
Hex	009973
RGB	0, 153, 115
RGB Percent	0%, 60%, 45%
CMY	1.0000, 0.4012, 0.5501
CMYK	1.00, 0.00, 0.25, 0.40
HSL	165°, 100%, 30%
HSV	165°, 100%, 60%
XYZ	14.4181, 23.9124, 19.9888
YIQ	102.9210, -78.9900, -44.2540

Conversions

Conversions Part 2

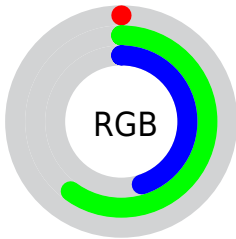
Format	Color
RYB	0, 87, 153
Decimal	39283
CIELab	56.00, -43.68, 10.47
CIELCh	56, 44.921, 166.522
Yxy	23.9124, 0.2472, 0.4100
Android (android.graphics.Color)	4278229363 (0xFF009973)
YUV	102.9210, 5.9549, -90.2617
Hunter-Lab	48.9003, -32.9456, 9.9945

Details

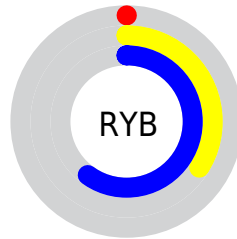
The CIELCh color **56, 44.921, 166.522** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **32, 61.080, 24.653**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 44.812, 166.689**, and **37, 36.614, 160.454** is the 20% darker color. If you saturate the color by 10%, you get **56, 44.919, 166.520**, and if you desaturate by 10%, it is **56, 42.800, 168.398**.

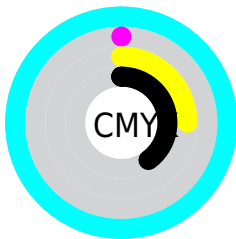
Distribution



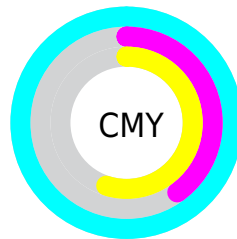
- Red (0%)
- Green (60%)
- Blue (45%)



- Red (0%)
- Yellow (34%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 44.921, 166.522 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 56, 44.921, 166.522 by changing the saturation by 10% instead.

 56, 44.921,
166.522

 56, 44.921,
166.522


 100, 44.921,
166.522

 46, 44.921,
166.522


 76, 44.921,
166.522

 36, 44.921,
166.522

 86, 44.921,
166.522

 26, 44.921,
166.522

 96, 44.921,
166.522

 16, 44.921,
166.522

 6, 44.921, 166.522

 0, 44.921, 166.522

■ 56, 44.921,
166.522

■ 56, 44.921,
166.522

■ 56, 44.919,
166.520

■ 56, 42.800,
168.398

■ 56, 40.215,
170.172

■ 57, 36.977,
171.770

■ 57, 33.085,
173.208

■ 58, 28.583,
174.509

■ 59, 23.548,
175.694

■ 60, 18.073,
176.786

■ 61, 12.260,

177.805

■ 62, 6.205, 178.782

Harmonies

Complementary

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



56, 44.921, 166.522



32, 61.080, 24.653

Rectangle

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



56, 44.921, 166.522



56, 44.921, 216.522



56, 44.921, 346.522



56, 44.921, 36.522

Sweetspot

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



56, 44.919, 166.520



76, 22.391, 176.723



55, 79.338, 133.814



39, 15.110, 176.310



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



56, 44.919, 166.520



72, 54.972, 166.079



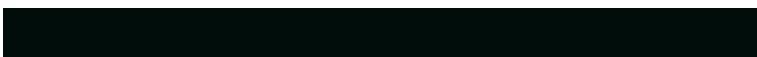
45, 31.076, 245.487



32, 3.515, 178.858



52, 42.118, 166.685



3, 3.863, 178.707

Inverse Universe

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



32, 61.080, 24.653



42, 74.927, 25.894



34, 65.741, 45.642



30, 3.625, 0.398



29, 57.227, 24.183



1, 3.832, 359.912

Previews

White Background



This preview shows how the CIELCh color 56, 44.921, 166.522 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 56, 44.921, 166.522 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 56, 44.921, 166.522

Background



This preview shows how black text looks on a background with the CIELCh color 56, 44.921, 166.522.

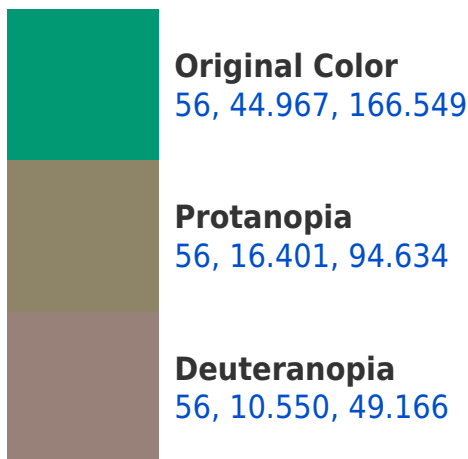



This preview shows how white text looks on a background with the CIELCh color 56, 44.921, 166.522.

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





Tritanopia
56, 28.016, 211.391

Trichromacy



Original Color
56, 44.967, 166.549



Protanomaly
54, 26.438, 154.649



Deuteranomaly
54, 19.951, 162.190



Tritanomaly
56, 32.628, 190.313

Monochromacy



Original Color
56, 44.967, 166.549



Achromatopsia
44, 0.006, 296.813



Achromatomaly
47, 21.943, 174.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 44.921, 166.522 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, 153, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 115)  
}
```

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, 153, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 44.921, 166.522 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, 153, 115) }
```

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

```
.border{ border-color:rgb(0, 153, 115) }
```

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

Here you see how a box with a 4 pixel rgb(0, 153, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 44.921, 166.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 115) }
```

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

```
.background{ background-color: rgb(0, 153,  
115) }
```

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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