

Converting Colors

CIELCh(56, 45.424, 174.135)

Have a look what the booklet for
CIELCh(56, 45.424, 174.135)
contains.

CIELCh(56, 41.416, 172.881)	3
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Color

CIELCh(56, 41.416, 172.881)

Conversions

Conversions Part 1

Format	Color
Hex	00987C
RGB	0, 152, 124
RGB Percent	0%, 60%, 49%
CMY	1.0000, 0.4037, 0.5133
CMYK	1.00, 0.00, 0.18, 0.40
HSL	169°, 100%, 30%
HSV	169°, 100%, 60%
XYZ	14.8418, 23.9124, 22.9387
YIQ	103.3600, -81.6040, -40.9320

Conversions

Conversions Part 2

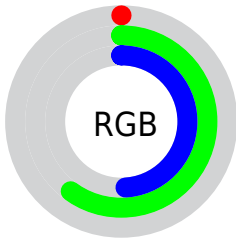
Format	Color
RYB	0, 84, 152
Decimal	39036
CIELab	56.00, -41.10, 5.13
CIELCh	56, 41.416, 172.881
Yxy	23.9124, 0.2406, 0.3876
Android (android.graphics.Color)	4278229116 (0xFF00987C)
YUV	103.3600, 10.1755, -90.6467
Hunter-Lab	48.9003, -31.3988, 6.4179

Details

The CIELCh color **56, 41.416, 172.881** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **31, 63.348, 29.751**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 41.420, 172.556**, and **37, 32.758, 167.365** is the 20% darker color. If you saturate the color by 10%, you get **56, 41.266, 172.808**, and if you desaturate by 10%, it is **56, 39.609, 174.437**.

Distribution



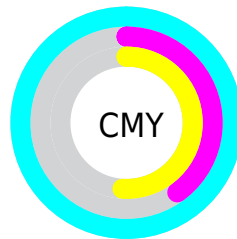
- Red (0%)
- Green (60%)
- Blue (49%)



- Red (0%)
- Yellow (33%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 41.416, 172.881 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, 41.416, 172.881 by changing the saturation by 10% instead.


 56, 41.416,
172.881


 56, 41.416,
172.881


 100, 41.416,
172.881


 46, 41.416,
172.881


 76, 41.416,
172.881

 36, 41.416,
172.881

 86, 41.416,
172.881

 26, 41.416,
172.881

 96, 41.416,
172.881

 16, 41.416,
172.881

 6, 41.416, 172.881

 0, 41.416, 172.881

■ 56, 41.416,
172.881

■ 56, 41.416,
172.881

■ 56, 41.266,
172.808

■ 56, 39.609,
174.437

■ 56, 37.479,
175.972

■ 57, 34.684,
177.359

■ 57, 31.217,
178.618

■ 58, 27.116,
179.770

■ 59, 22.452,
180.835

■ 59, 17.312,
181.833

■ 60, 11.794,

182.781

■ 62, 5.993, 183.707

Harmonies

Complementary

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



56, 41.416, 172.881



31, 63.348, 29.751

Rectangle

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



56, 41.416, 172.881



56, 41.416, 222.881



56, 41.416, 352.881



56, 41.416, 42.881

Sweetspot

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



56, 41.266, 172.808



76, 21.514, 181.774



55, 79.802, 134.506



39, 14.493, 181.395



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, 41.266, 172.808



72, 50.573, 172.420



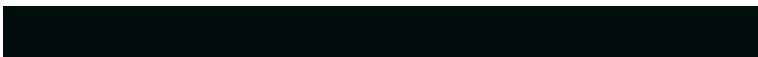
42, 33.060, 255.275



32, 3.407, 183.780



52, 38.838, 172.943



3, 3.754, 183.465

Inverse Universe

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



31, 63.348, 29.751



42, 78.114, 30.937



35, 63.916, 47.935



30, 3.537, 5.253



29, 59.496, 29.326



1, 3.730, 4.728

Previews

White Background



This preview shows how the CIELCh color 56, 41.416, 172.881 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, 41.416, 172.881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

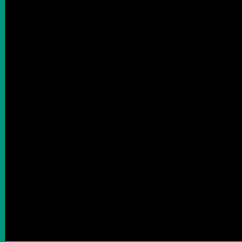
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 41.416, 172.881

Background



This preview shows how black text looks on a background with the CIELCh color 56, 41.416, 172.881.

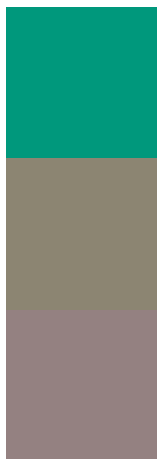


This preview shows how white text looks on a background with the CIELCh color 56, 41.416, 172.881.

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

56, 41.274, 172.766

Protanopia

56, 11.219, 93.725

Deuteranopia

56, 7.708, 20.175



Tritanopia
56, 28.587, 211.053

Trichromacy



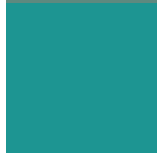
Original Color
56, 41.274, 172.766



Protanomaly
54, 23.168, 164.019



Deuteranomaly
54, 17.085, 177.893



Tritanomaly
56, 32.272, 193.387

Monochromacy



Original Color
56, 41.274, 172.766



Achromatopsia
44, 0.006, 296.813



Achromatomaly
47, 20.826, 180.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 41.416, 172.881 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, 152, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 124)  
}
```

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, 152, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 41.416, 172.881 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, 152, 124) }
```

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

```
.border{ border-color:rgb(0, 152, 124) }
```

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

Here you see how a box with a 4 pixel rgb(0, 152, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 41.416, 172.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 124) }
```

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

```
.background{ background-color: rgb(0, 152,  
124) }
```

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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