

Converting Colors

CIE LCh(56, 42.338, 162.400)

Have a look what the booklet for
CIELCh(56, 42.338, 162.400)
contains.

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Color

CIELCh(56, 41.940, 162.693)

Conversions

Conversions Part 1

Format	Color
Hex	2B976F
RGB	43, 151, 111
RGB Percent	17%, 59%, 44%
CMY	0.8297, 0.4066, 0.5635
CMYK	0.71, 0.00, 0.26, 0.41
HSL	158°, 55%, 38%
HSV	158°, 71%, 59%
XYZ	15.0170, 23.9124, 18.9486
YIQ	114.1480, -51.5280, -35.3360

Conversions

Conversions Part 2

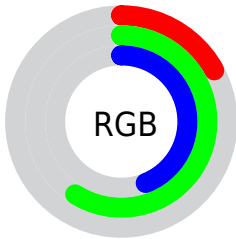
Format	Color
RYB	43, 109, 151
Decimal	2856815
CIELab	56.00, -40.04, 12.48
CIElCh	56, 41.940, 162.693
Yxy	23.9124, 0.2595, 0.4132
Android (android.graphics.Color)	4281046895 (0xFF2B976F)
YUV	114.1480, -1.5520, -62.3968
Hunter-Lab	48.9003, -30.7591, 11.2557

Details

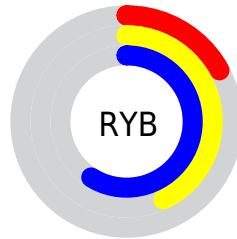
The CIELCh color **56, 41.940, 162.693** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **36, 47.839, 2.216**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 41.930, 162.933**, and **37, 37.222, 158.630** is the 20% darker color. If you saturate the color by 10%, you get **56, 45.930, 160.878**, and if you desaturate by 10%, it is **57, 37.323, 164.314**.

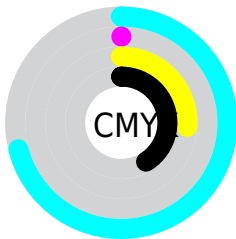
Distribution



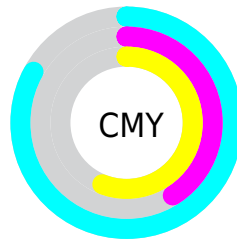
- Red (17%)
- Green (59%)
- Blue (44%)



- Red (17%)
- Yellow (43%)
- Blue (59%)



- Cyan (71%)
- Magenta (0%)
- Yellow (26%)
- Black (41%)





- Cyan (83%)
- Magenta (41%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 41.940, 162.693 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, 41.940, 162.693 by changing the saturation by 10% instead.


 56, 41.940,
162.693

 56, 41.940,
162.693

 100, 41.940,
162.693


 46, 41.940,
162.693


 76, 41.940,
162.693

 36, 41.940,
162.693

 86, 41.940,
162.693

 26, 41.940,
162.693

 96, 41.940,
162.693

 16, 41.940,
162.693

 6, 41.940, 162.693

 0, 41.940, 162.693

■ 56, 41.940,
162.693

■ 56, 41.940,
162.693

■ 56, 45.930,
160.878

■ 57, 37.323,
164.314

■ 55, 49.288,
158.863

■ 57, 32.130,
165.761

■ 55, 51.863,
157.054

■ 58, 26.447,
167.057

■ 59, 20.376,
168.226

■ 60, 14.024,
169.291

■ 61, 7.491, 170.281

■ 62, 0.865, 171.550

■ 64, 5.779, 351.890

■ 65, 12.384,
352.701

Harmonies

Complementary

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



56, 41.940, 162.693



36, 47.839, 2.216

Rectangle

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



56, 41.940, 162.693



56, 41.940, 212.693



56, 41.940, 342.693



56, 41.940, 32.693

Sweetspot

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



56, 41.940, 162.692



76, 17.089, 169.280



56, 62.522, 130.063



40, 11.630, 169.019



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, 41.940, 162.692



71, 58.381, 159.612



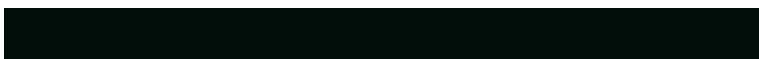
53, 27.212, 212.736



32, 3.780, 170.483



51, 48.922, 157.220



3, 4.135, 170.578

Inverse Universe

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



36, 47.839, 2.216



43, 66.055, 7.971



37, 48.519, 36.117



30, 3.858, 352.010



29, 54.523, 13.152



1, 4.093, 351.632

Previews

White Background



This preview shows how the CIELCh color 56, 41.940, 162.693 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, 41.940, 162.693 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, 41.940, 162.693

Background



This preview shows how black text looks on a background with the CIELCh color 56, 41.940, 162.693.

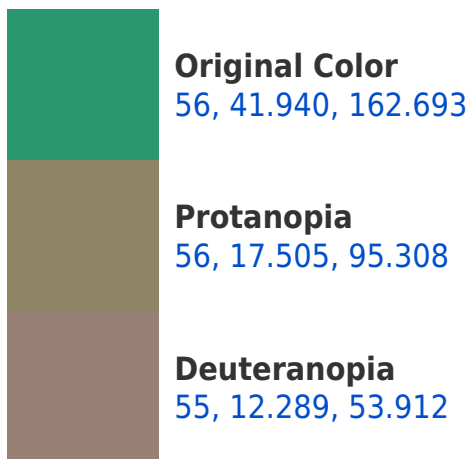


This preview shows how white text looks on a background with the CIELCh color 56, 41.940, 162.693.

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, 25.032, 213.404

Trichromacy



Original Color
56, 41.940, 162.693



Protanomaly
55, 23.830, 142.888



Deuteranomaly
54, 15.709, 144.604

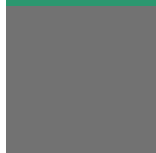


Tritanomaly
56, 28.534, 188.592

Monochromacy



Original Color
56, 41.940, 162.693



Achromatopsia
48, 0.006, 296.813



Achromatomaly
50, 17.802, 168.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 41.940, 162.693 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(43, 151, 111)` looks like.

```
.text, #text, p{  
    color:rgb(43, 151, 111)  
}
```

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(43, 151, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 151, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 41.940, 162.693 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(43, 151, 111) }
```

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

```
.border{ border-color:rgb(43, 151, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 151, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 151, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 151, 111);  
box-shadow:4px 4px 4px 4px rgb(43, 151,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 41.940, 162.693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 151, 111) }
```

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

```
.background{ background-color: rgb(43, 151,  
111) }
```

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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