

Converting Colors

CIE LCh(56, 34.420, 179.750)

Have a look what the booklet for
CIELCh(56, 34.420, 179.750)
contains.

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Color

CIELCh(56, 34.511, 179.749)

Conversions

Conversions Part 1

Format	Color
Hex	279685
RGB	39, 150, 133
RGB Percent	15%, 59%, 52%
CMY	0.8474, 0.4120, 0.4787
CMYK	0.74, 0.00, 0.11, 0.41
HSL	171°, 59%, 37%
HSV	171°, 74%, 59%
XYZ	15.9578, 23.9124, 25.9415
YIQ	114.8730, -60.6990, -28.8190

Conversions

Conversions Part 2

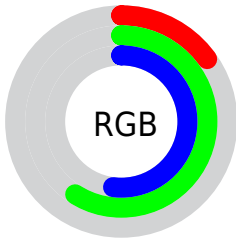
Format	Color
R_{YB}	39, 99, 150
Decimal	2594437
CIE _{Lab}	56.00, -34.51, 0.15
CIE _{LCh}	56, 34.511, 179.749
Y _{xy}	23.9124, 0.2425, 0.3633
Android (android.graphics.Color)	4280784517 (0xFF279685)
YUV	114.8730, 8.9366, -66.5406
Hunter-Lab	48.9003, -27.3252, 2.7770

Details

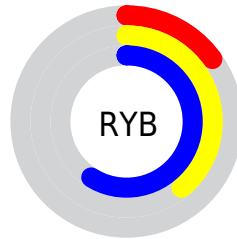
The CIELCh color **56, 34.511, 179.749** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **34, 49.894, 20.390**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 34.593, 179.562**, and **37, 28.430, 178.031** is the 20% darker color. If you saturate the color by 10%, you get **56, 36.817, 178.448**, and if you desaturate by 10%, it is **56, 31.530, 180.931**.

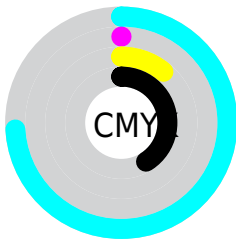
Distribution



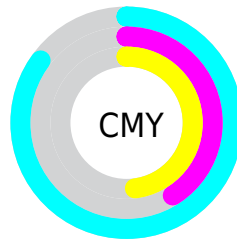
- Red (15%)
- Green (59%)
- Blue (52%)



- Red (15%)
- Yellow (39%)
- Blue (59%)



- Cyan (74%)
- Magenta (0%)
- Yellow (11%)
- Black (41%)




- Cyan (85%)
- Magenta (41%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 34.511, 179.749 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, 34.511, 179.749 by changing the saturation by 10% instead.


 56, 34.511,
179.749

 56, 34.511,
179.749


 100, 34.511,
179.749


 46, 34.511,
179.749


 76, 34.511,
179.749

 36, 34.511,
179.749

 86, 34.511,
179.749

 26, 34.511,
179.749

 96, 34.511,
179.749

 16, 34.511,
179.749

 6, 34.511, 179.749

 0, 34.511, 179.749

■ 56, 34.511,
179.749

■ 56, 34.511,
179.749

■ 56, 36.817,
178.448

■ 56, 31.530,
180.931

■ 55, 38.479,
177.017

■ 57, 27.893,
182.019

■ 55, 39.323,
176.153

■ 58, 23.653,
183.030

■ 58, 18.890,
183.983

■ 59, 13.697,
184.893

■ 60, 8.166, 185.778

■ 62, 2.389, 186.737

■ 63, 3.553, 7.249

Harmonies

Complementary

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



56, 34.511, 179.749



34, 49.894, 20.390

Rectangle

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



56, 34.511, 179.749



56, 34.511, 229.749



56, 34.511, 359.749



56, 34.511, 49.749

Sweetspot

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



56, 34.511, 179.748



75, 15.500, 185.037



55, 67.753, 135.251



39, 10.328, 184.823



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



56, 34.511, 179.748



70, 45.932, 177.503



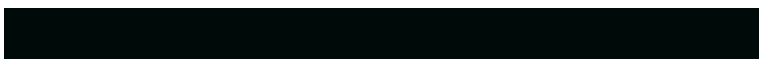
45, 28.381, 249.821



31, 3.272, 186.213



51, 36.906, 176.283



2, 2.905, 186.904

Inverse Universe

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



34, 49.894, 20.390



42, 71.729, 27.587



41, 45.099, 51.438



29, 3.407, 7.622



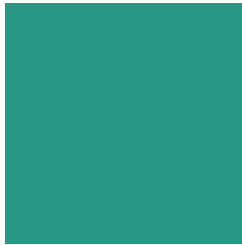
28, 59.830, 31.404



1, 2.906, 6.889

Previews

White Background



This preview shows how the CIE LCh color 56, 34.511, 179.749 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, 34.511, 179.749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

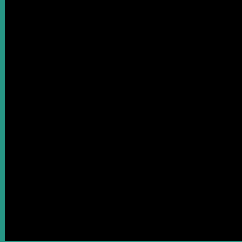
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 34.511, 179.749

Background



This preview shows how black text looks on a background with the CIELCh color 56, 34.511, 179.749.

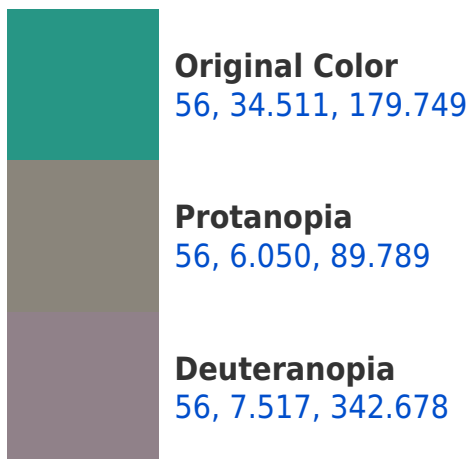


This preview shows how white text looks on a background with the CIELCh color 56, 34.511, 179.749.

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, 27.033, 212.012

Trichromacy



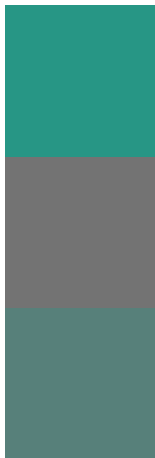
Original Color
56, 34.511, 179.749

Protanomaly
55, 15.726, 171.800

Deuteranomaly
55, 11.517, 195.412

Tritanomaly
56, 28.557, 199.140

Monochromacy



Original Color
56, 34.511, 179.749

Achromatopsia
48, 0.006, 296.813

Achromatomaly
51, 15.667, 184.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 34.511, 179.749 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(39, 150, 133)` looks like.

```
.text, #text, p{  
    color:rgb(39, 150, 133)  
}
```

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(39, 150, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 150, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 34.511, 179.749 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(39, 150, 133) }
```

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

```
.border{ border-color:rgb(39, 150, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 150, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 150, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 150, 133);  
box-shadow:4px 4px 4px 4px rgb(39, 150,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 34.511, 179.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 150, 133) }
```

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

```
.background{ background-color: rgb(39, 150,  
133) }
```

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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