

Converting Colors

CIELCh(56, 34.588, 176.416)

Have a look what the booklet for
CIELCh(56, 34.588, 176.416)
contains.

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Color

CIELCh(56, 34.825, 175.916)

Conversions

Conversions Part 1

Format	Color
Hex	2D9681
RGB	45, 150, 129
RGB Percent	18%, 59%, 51%
CMY	0.8241, 0.4122, 0.4945
CMYK	0.70, 0.00, 0.14, 0.41
HSL	168°, 54%, 38%
HSV	168°, 70%, 59%
XYZ	15.9186, 23.9124, 24.5069
YIQ	116.2110, -55.8390, -28.7910

Conversions

Conversions Part 2

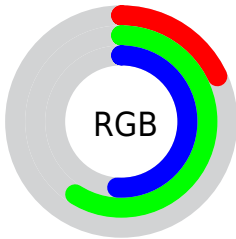
Format	Color
R_{YB}	45, 103, 150
Decimal	2987649
CIE _{Lab}	56.00, -34.74, 2.48
CIE _{LCh}	56, 34.825, 175.916
Y _{xy}	23.9124, 0.2474, 0.3717
Android (android.graphics.Color)	4281177729 (0xFF2D9681)
YUV	116.2110, 6.3050, -62.4520
Hunter-Lab	48.9003, -27.4682, 4.5164

Details

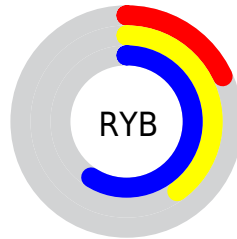
The CIELCh color **56, 34.825, 175.916** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **35, 46.831, 15.343**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 34.950, 175.993**, and **37, 29.806, 173.684** is the 20% darker color. If you saturate the color by 10%, you get **56, 37.692, 174.469**, and if you desaturate by 10%, it is **56, 31.300, 177.224**.

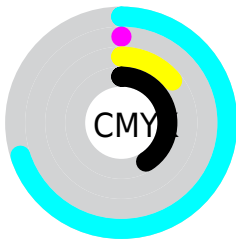
Distribution



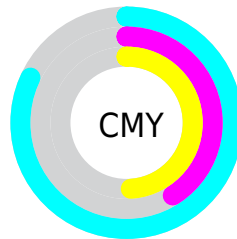
- Red (18%)
- Green (59%)
- Blue (51%)



- Red (18%)
- Yellow (40%)
- Blue (59%)



- Cyan (70%)
- Magenta (0%)
- Yellow (14%)
- Black (41%)





- Cyan (82%)
- Magenta (41%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 34.825, 175.916 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, 34.825, 175.916 by changing the saturation by 10% instead.


 56, 34.825,
175.916


 56, 34.825,
175.916


 100, 34.825,
175.916


 46, 34.825,
175.916


 76, 34.825,
175.916

 36, 34.825,
175.916

 86, 34.825,
175.916

 26, 34.825,
175.916

 96, 34.825,
175.916

 16, 34.825,
175.916

 6, 34.825, 175.916

 0, 34.825, 175.916

■ 56, 34.825,
175.916

■ 56, 34.825,
175.916

■ 56, 37.692,
174.469

■ 56, 31.300,
177.224

■ 55, 39.906,
172.866

■ 57, 27.156,
178.418

■ 55, 41.649,
171.183

■ 58, 22.464,
179.517

■ 59, 17.311,
180.542

■ 60, 11.795,
181.511

■ 61, 6.010, 182.452

■ 62, 0.043, 192.906

■ 63, 6.033, 4.012

Harmonies

Complementary

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



56, 34.825, 175.916



35, 46.831, 15.343

Rectangle

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



56, 34.825, 175.916



56, 34.825, 225.916



56, 34.825, 355.916



56, 34.825, 45.916

Sweetspot

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



56, 34.825, 175.915



75, 15.177, 181.384



55, 64.434, 134.765



39, 10.194, 181.148



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, 34.825, 175.915



70, 47.164, 173.594



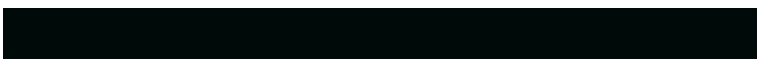
47, 26.580, 243.017



31, 3.337, 182.537



51, 39.079, 171.334



2, 2.956, 183.269

Inverse Universe

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



35, 46.831, 15.343



42, 67.040, 21.547



41, 42.775, 48.804



29, 3.457, 4.022



28, 58.067, 28.012



1, 2.956, 3.254

Previews

White Background



This preview shows how the CIELCh color 56, 34.825, 175.916 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, 34.825, 175.916 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, 34.825, 175.916

Background



This preview shows how black text looks on a background with the CIELCh color 56, 34.825, 175.916.

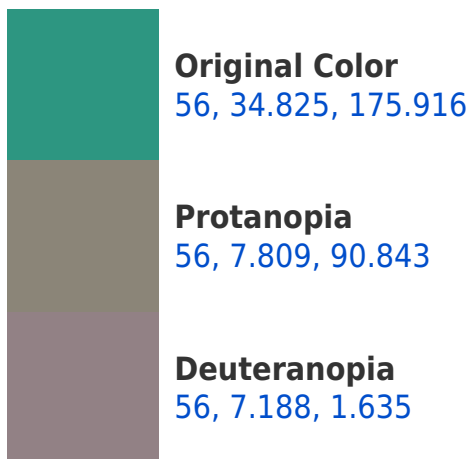


This preview shows how white text looks on a background with the CIELCh color 56, 34.825, 175.916.

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, 26.177, 212.579

Trichromacy



Original Color
56, 34.825, 175.916



Protanomaly
55, 16.129, 163.112



Deuteranomaly
55, 11.033, 183.174



Tritanomaly
56, 27.945, 196.847

Monochromacy



Original Color
56, 34.825, 175.916



Achromatopsia
49, 0.007, 296.813



Achromatomaly
51, 14.911, 181.876

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 34.825, 175.916 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(45, 150, 129)` looks like.

```
.text, #text, p{  
    color:rgb(45, 150, 129)  
}
```

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(45, 150, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 150, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 34.825, 175.916 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(45, 150, 129) }
```

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

```
.border{ border-color:rgb(45, 150, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 150, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 150, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 150, 129);  
box-shadow:4px 4px 4px 4px rgb(45, 150,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 34.825, 175.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 150, 129) }
```

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

```
.background{ background-color: rgb(45, 150,  
129) }
```

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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