

Converting Colors

CIELCh(56, 33.695, 206.091)

Have a look what the booklet for
CIELCh(56, 33.695, 206.091)
contains.

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Color

CIELCh(56, 32.485, 206.894)

Conversions

Conversions Part 1

Format	Color
Hex	00959F
RGB	0, 149, 159
RGB Percent	0%, 58%, 62%
CMY	1.0000, 0.4166, 0.3774
CMYK	1.00, 0.06, 0.00, 0.38
HSL	184°, 100%, 31%
HSV	184°, 100%, 62%
XYZ	16.9386, 23.9124, 36.4201
YIQ	105.5890, -92.0140, -28.4780

Conversions

Conversions Part 2

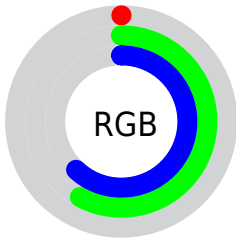
Format	Color
RYB	0, 77, 159
Decimal	38303
CIELab	56.00, -28.97, -14.69
CIELCh	56, 32.485, 206.894
Yxy	23.9124, 0.2192, 0.3095
Android (android.graphics.Color)	4278228383 (0xFF00959F)
YUV	105.5890, 26.3316, -92.6016
Hunter-Lab	48.9003, -23.7450, -9.9279

Details

The CIELCh color **56, 32.485, 206.894** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **33, 72.193, 40.558**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 32.555, 206.781**, and **38, 23.943, 211.842** is the 20% darker color. If you saturate the color by 10%, you get **56, 32.449, 206.907**, and if you desaturate by 10%, it is **56, 31.977, 206.027**.

Distribution



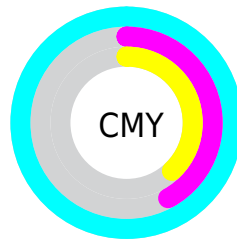
- Red (0%)
- Green (58%)
- Blue (62%)



- Red (0%)
- Yellow (30%)
- Blue (62%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (38%)





- Cyan (100%)
- Magenta (42%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 32.485, 206.894 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, 32.485, 206.894 by changing the saturation by 10% instead.


 56, 32.485,
206.894


 56, 32.485,
206.894


 100, 32.485,
206.894


 46, 32.485,
206.894


 76, 32.485,
206.894

 36, 32.485,
206.894

 86, 32.485,
206.894

 26, 32.485,
206.894

 96, 32.485,
206.894

 16, 32.485,
206.894

 6, 32.485, 206.894

 0, 32.485, 206.894

■ 56, 32.485,
206.894

■ 56, 32.485,
206.894

■ 56, 32.449,
206.907

■ 56, 31.977,
206.027

■ 57, 30.994,
205.306

■ 58, 29.305,
204.784

■ 58, 26.890,
204.441

■ 59, 23.768,
204.259

■ 60, 19.993,
204.216

■ 61, 15.641,
204.294

■ 63, 10.800,

204.476

■ 64, 5.558, 204.766

Harmonies

Complementary

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



56, 32.485, 206.894



33, 72.193, 40.558

Rectangle

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



56, 32.485, 206.894



56, 32.485, 256.894



56, 32.485, 26.894



56, 32.485, 76.894

Sweetspot

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



56, 32.449, 206.907



78, 19.335, 204.286



57, 83.072, 136.501



41, 13.085, 204.245



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



56, 32.449, 206.907



71, 39.395, 207.127



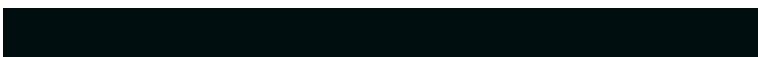
32, 55.234, 288.068



33, 3.138, 204.794



51, 30.044, 206.804



3, 4.152, 206.356

Inverse Universe

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



37, 77.237, 330.875



48, 93.806, 330.929



45, 58.683, 65.320



31, 5.848, 326.665



33, 71.502, 330.849



1, 7.535, 326.585

Previews

White Background



This preview shows how the CIE LCh color 56, 32.485, 206.894 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, 32.485, 206.894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

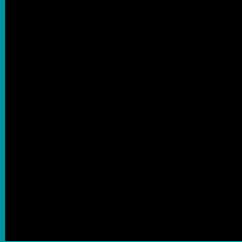
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 32.485, 206.894

Background



This preview shows how black text looks on a background with the CIELCh color 56, 32.485, 206.894.



This preview shows how white text looks on a background with the CIELCh color 56, 32.485, 206.894.

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, 31.703, 210.489

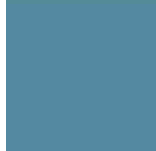
Trichromacy



Original Color
56, 32.485, 206.894



Protanomaly
55, 19.277, 220.873



Deuteranomaly
54, 21.239, 239.129

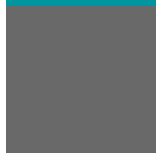


Tritanomaly
56, 31.898, 209.298

Monochromacy



Original Color
56, 32.485, 206.894



Achromatopsia
44, 0.006, 296.813



Achromatomaly
47, 18.475, 204.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 32.485, 206.894 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, 149, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 159)  
}
```

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, 149, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 32.485, 206.894 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, 149, 159) }
```

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

```
.border{ border-color:rgb(0, 149, 159) }
```

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

Here you see how a box with a 4 pixel rgb(0, 149, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 32.485, 206.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 159) }
```

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

```
.background{ background-color: rgb(0, 149,  
159) }
```

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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