

Converting Colors

CIELCh(49, 60.770, 201.779)

Have a look what the booklet for
CIELCh(49, 60.770, 201.779)
contains.

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Color

CIELCh(53, 30.901, 210.977)

Conversions

Conversions Part 1

Format	Color
Hex	008C99
RGB	0, 140, 153
RGB Percent	0%, 55%, 60%
CMY	1.0000, 0.4511, 0.4001
CMYK	1.00, 0.08, 0.00, 0.40
HSL	185°, 100%, 30%
HSV	185°, 100%, 60%
XYZ	15.1200, 21.0462, 33.3900
YIQ	99.6220, -87.6130, -25.6370

Conversions

Conversions Part 2

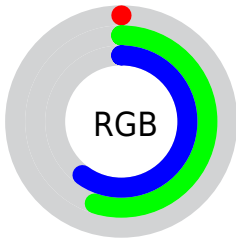
Format	Color
RYB	0, 73, 153
Decimal	35993
CIELab	53.00, -26.49, -15.90
CIELCh	53, 30.901, 210.977
Yxy	21.0462, 0.2174, 0.3026
Android (android.graphics.Color)	4278226073 (0xFF008C99)
YUV	99.6220, 26.3154, -87.3685
Hunter-Lab	45.8761, -21.4526, -11.0398

Details

The CIELCh color **53, 30.901, 210.977** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **32, 69.755, 40.809**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 30.982, 210.558**, and **34, 22.475, 218.403** is the 20% darker color. If you saturate the color by 10%, you get **53, 30.897, 210.978**, and if you desaturate by 10%, it is **54, 30.440, 209.722**.

Distribution



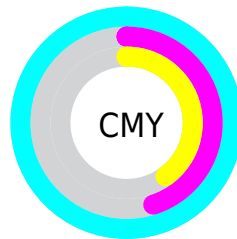
- Red (0%)
- Green (55%)
- Blue (60%)



- Red (0%)
- Yellow (29%)
- Blue (60%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (40%)





- Cyan (100%)
- Magenta (45%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 30.901, 210.977 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 53, 30.901, 210.977 by changing the saturation by 10% instead.


 53, 30.901,
210.977


 53, 30.901,
210.977


 100, 30.901,
210.977


 43, 30.901,
210.977


 73, 30.901,
210.977

 33, 30.901,
210.977

 83, 30.901,
210.977

 23, 30.901,
210.977

 93, 30.901,
210.977

 13, 30.901,
210.977

 3, 30.901, 210.977

 0, 30.901, 210.977

■ 53, 30.901,
210.977

■ 53, 30.901,
210.977

■ 53, 30.897,
210.978

■ 54, 30.440,
209.722

■ 54, 29.505,
208.674

■ 55, 27.895,
207.881

■ 56, 25.590,
207.317

■ 57, 22.614,
206.952

■ 58, 19.018,
206.756

■ 59, 14.876,
206.705

■ 60, 10.270,

206.776

■ 62, 5.285, 206.970

Harmonies

Complementary

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



53, 30.901, 210.977



32, 69.755, 40.809

Rectangle

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



53, 30.901, 210.977



53, 30.901, 260.977



53, 30.901, 30.977



53, 30.901, 80.977

Sweetspot

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



53, 30.897, 210.978



75, 18.382, 206.704



55, 80.116, 136.869



39, 12.317, 206.711



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



53, 30.897, 210.978



68, 37.469, 211.301



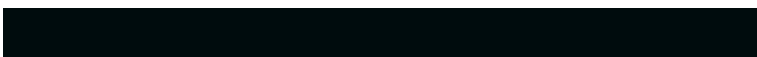
29, 57.009, 290.579



32, 2.993, 206.992



49, 29.016, 210.855



3, 3.287, 208.057

Inverse Universe

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



35, 73.898, 331.874



46, 89.636, 331.953



44, 56.647, 68.413



30, 5.605, 327.311



32, 69.393, 331.844



1, 5.985, 327.100

Previews

White Background



This preview shows how the CIE LCh color 53, 30.901, 210.977 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 53, 30.901, 210.977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

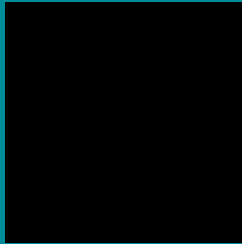
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 30.901, 210.977

Background



This preview shows how black text looks on a background with the CIELCh color 53, 30.901, 210.977.

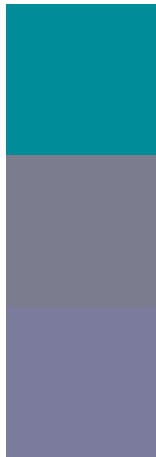


This preview shows how white text looks on a background with the CIELCh color 53, 30.901, 210.977.

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

53, 30.901, 210.977

Protanopia

53, 10.443, 287.366

Deuteranopia

53, 19.723, 292.594

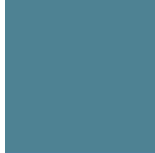


Tritanopia
53, 30.927, 209.824

Trichromacy



Original Color
53, 30.901, 210.977



Protanomaly
51, 19.246, 229.171



Deuteranomaly
52, 21.860, 244.649



Tritanomaly
53, 30.927, 209.824

Monochromacy



Original Color
53, 30.901, 210.977



Achromatopsia
42, 0.006, 296.813



Achromatomaly
45, 17.649, 205.367

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 30.901, 210.977 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, 140, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 153)  
}
```

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, 140, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 30.901, 210.977 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, 140, 153) }
```

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

```
.border{ border-color:rgb(0, 140, 153) }
```

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

Here you see how a box with a 4 pixel rgb(0, 140, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 30.901, 210.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 153) }
```

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

```
.background{ background-color: rgb(0, 140,  
153) }
```

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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