

Converting Colors

CIELCh(48, 76.041, 200.495)

Have a look what the booklet for
CIELCh(48, 76.041, 200.495)
contains.

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Color

CIELCh(53, 31.050, 214.325)

Conversions

Conversions Part 1

Format	Color
Hex	008C9C
RGB	0, 140, 156
RGB Percent	0%, 55%, 61%
CMY	1.0000, 0.4519, 0.3892
CMYK	1.00, 0.10, 0.00, 0.39
HSL	186°, 100%, 31%
HSV	186°, 100%, 61%
XYZ	15.2629, 21.0462, 34.5957
YIQ	99.9640, -88.5760, -24.7040

Conversions

Conversions Part 2

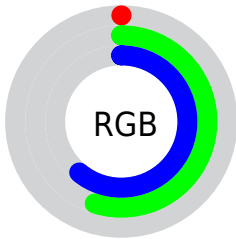
Format	Color
RYB	0, 74, 156
Decimal	35996
CIELab	53.00, -25.64, -17.51
CIELCh	53, 31.050, 214.325
Yxy	21.0462, 0.2153, 0.2968
Android (android.graphics.Color)	4278226076 (0xFF008C9C)
YUV	99.9640, 27.6257, -87.6684
Hunter-Lab	45.8761, -20.8964, -12.5979

Details

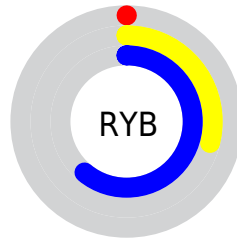
The CIELCh color **53, 31.050, 214.325** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **33, 70.479, 41.175**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 30.911, 214.884**, and **34, 22.725, 223.504** is the 20% darker color. If you saturate the color by 10%, you get **53, 30.852, 214.456**, and if you desaturate by 10%, it is **54, 30.403, 212.860**.

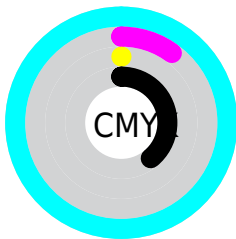
Distribution



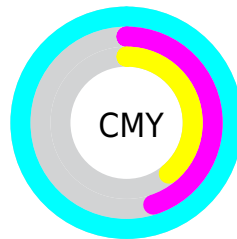
- Red (0%)
- Green (55%)
- Blue (61%)



- Red (0%)
- Yellow (29%)
- Blue (61%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (39%)





- Cyan (100%)
- Magenta (45%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 31.050, 214.325 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, 31.050, 214.325 by changing the saturation by 10% instead.


 53, 31.050,
214.325


 53, 31.050,
214.325


 100, 31.050,
214.325


 43, 31.050,
214.325


 73, 31.050,
214.325

 33, 31.050,
214.325

 83, 31.050,
214.325

 23, 31.050,
214.325

 93, 31.050,
214.325

 13, 31.050,
214.325

 3, 31.050, 214.325

 0, 31.050, 214.325

■ 53, 31.050,
214.325

■ 53, 31.050,
214.325

■ 53, 30.852,
214.456

■ 54, 30.403,
212.860

■ 54, 29.473,
211.519

■ 55, 27.869,
210.487

■ 56, 25.570,
209.728

■ 57, 22.597,
209.202

■ 58, 19.004,
208.875

■ 60, 14.865,
208.712

■ 61, 10.263,

208.690

■ 63, 5.282, 208.803

Harmonies

Complementary

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



53, 31.050, 214.325



33, 70.479, 41.175

Rectangle

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



53, 31.050, 214.325



53, 31.050, 264.325



53, 31.050, 34.325



53, 31.050, 84.325

Sweetspot

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



53, 30.852, 214.456



75, 18.292, 208.718



56, 80.813, 137.055



39, 12.382, 208.767



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



53, 30.852, 214.456



67, 37.282, 214.847



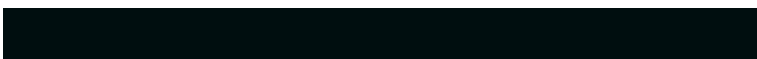
29, 59.625, 291.863



33, 3.029, 208.818



49, 28.972, 214.304



3, 3.991, 211.058

Inverse Universe

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



36, 73.854, 332.726



47, 89.238, 332.821



46, 57.252, 69.874



31, 5.689, 327.849



33, 69.355, 332.688



1, 7.293, 328.001

Previews

White Background



This preview shows how the CIELCh color 53, 31.050, 214.325 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, 31.050, 214.325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

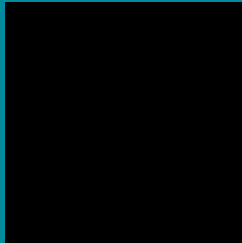
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 31.050, 214.325

Background



This preview shows how black text looks on a background with the CIELCh color 53, 31.050, 214.325.



This preview shows how white text looks on a background with the CIELCh color 53, 31.050, 214.325.

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



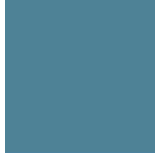


Tritanopia
53, 30.927, 209.824

Trichromacy



Original Color
53, 30.891, 214.444



Protanomaly
52, 19.944, 234.052



Deuteranomaly
52, 22.544, 244.897



Tritanomaly
53, 30.901, 210.977

Monochromacy



Original Color
53, 30.891, 214.444



Achromatopsia
42, 0.006, 296.813



Achromatomaly
45, 17.375, 209.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 31.050, 214.325 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 31.050, 214.325 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, 156) }
```

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

```
.border{ border-color:rgb(0, 140, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 31.050, 214.325 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, 156) }
```

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

```
.background{ background-color: rgb(0, 140,  
156) }
```

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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