

Converting Colors

CIELCh(52, 37.943, 222.069)

Have a look what the booklet for
CIELCh(52, 37.943, 222.069)
contains.

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Color

CIELCh(53, 31.715, 228.224)

Conversions

Conversions Part 1

Format	Color
Hex	008AA6
RGB	0, 138, 166
RGB Percent	0%, 54%, 65%
CMY	1.0000, 0.4572, 0.3475
CMYK	1.00, 0.17, 0.00, 0.35
HSL	190°, 100%, 33%
HSV	190°, 100%, 65%
XYZ	16.0361, 21.0462, 39.4807
YIQ	99.9300, -91.2360, -20.5480

Conversions

Conversions Part 2

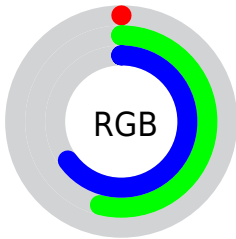
Format	Color
RYB	0, 75, 166
Decimal	35494
CIELab	53.00, -21.13, -23.65
CIELCh	53, 31.715, 228.224
Yxy	21.0462, 0.2094, 0.2749
Android (android.graphics.Color)	4278225574 (0xFF008AA6)
YUV	99.9300, 32.5725, -87.6386
Hunter-Lab	45.8761, -17.8882, -18.9114

Details

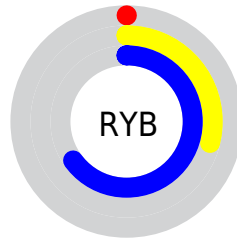
The CIELCh color **53, 31.715, 228.224** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **36, 72.796, 42.748**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 31.636, 227.768**, and **34, 24.533, 239.579** is the 20% darker color. If you saturate the color by 10%, you get **53, 31.630, 228.322**, and if you desaturate by 10%, it is **54, 31.003, 225.387**.

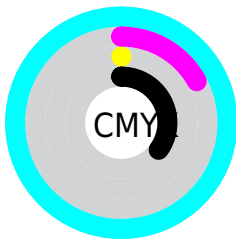
Distribution



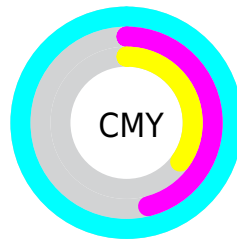
- Red (0%)
- Green (54%)
- Blue (65%)



- Red (0%)
- Yellow (29%)
- Blue (65%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (35%)





- Cyan (100%)
- Magenta (46%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 31.715, 228.224 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, 31.715, 228.224 by changing the saturation by 10% instead.


 53, 31.715,
228.224

 53, 31.715,
228.224


 100, 31.715,
228.224


 43, 31.715,
228.224


 73, 31.715,
228.224


 33, 31.715,
228.224


 83, 31.715,
228.224

 23, 31.715,
228.224

 93, 31.715,
228.224

 13, 31.715,
228.224

 3, 31.715, 228.224

 0, 31.715, 228.224

■ 53, 31.715,
228.224

■ 53, 31.715,
228.224

■ 53, 31.630,
228.322

■ 54, 31.003,
225.387

■ 55, 29.935,
222.883

■ 56, 28.225,
220.889

■ 58, 25.840,
219.341

■ 59, 22.797,
218.168

■ 61, 19.145,
217.305

■ 62, 14.959,
216.694

■ 64, 10.319,

216.291

■ 66, 5.308, 216.075

Harmonies

Complementary

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



53, 31.715, 228.224



36, 72.796, 42.748

Rectangle

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



53, 31.715, 228.224



53, 31.715, 278.224



53, 31.715, 48.224



53, 31.715, 98.224

Sweetspot

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



53, 31.630, 228.322



79, 18.512, 216.722



59, 82.884, 138.028



41, 12.530, 216.948



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



53, 31.630, 228.322



68, 38.523, 228.992



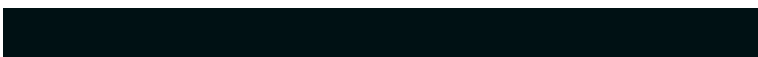
28, 70.474, 296.310



35, 3.037, 216.068



47, 29.007, 227.972



4, 5.508, 222.156

Inverse Universe

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



38, 73.702, 336.206



50, 89.536, 336.381



51, 59.964, 75.886



33, 5.723, 329.966



33, 67.678, 336.114



2, 9.986, 331.332

Previews

White Background



This preview shows how the CIE LCh color 53, 31.715, 228.224 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, 31.715, 228.224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

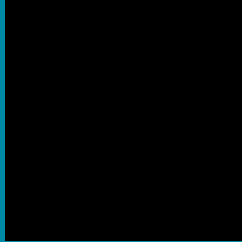
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 31.715, 228.224

Background



This preview shows how black text looks on a background with the CIELCh color 53, 31.715, 228.224.

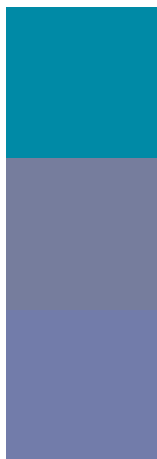


This preview shows how white text looks on a background with the CIELCh color 53, 31.715, 228.224.

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

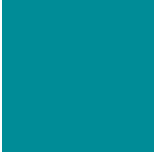
53, 31.576, 228.426

Protanopia

53, 18.628, 284.840

Deuteranopia

53, 26.739, 286.271



Tritanopia
53, 30.963, 208.673

Trichromacy



Original Color
53, 31.576, 228.426

Protanomaly
52, 23.571, 246.436

Deuteranomaly
52, 27.625, 256.465

Tritanomaly
53, 30.784, 216.888

Monochromacy



Original Color
53, 31.576, 228.426

Achromatopsia
42, 0.006, 296.813

Achromatomaly
45, 17.617, 217.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 31.715, 228.224 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, 138, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 166)  
}
```

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, 138, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 31.715, 228.224 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, 138, 166) }
```

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

```
.border{ border-color:rgb(0, 138, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 31.715, 228.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 166) }
```

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

```
.background{ background-color: rgb(0, 138,  
166) }
```

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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