

Converting Colors

CIELCh(53, 30.676, 198.750)

Have a look what the booklet for
CIELCh(53, 30.676, 198.750)
contains.

CIELCh(53, 30.782, 198.717)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(53, 30.782, 198.717)

Conversions

Conversions Part 1

Format	Color
Hex	148D8F
RGB	20, 141, 143
RGB Percent	8%, 55%, 56%
CMY	0.9214, 0.4487, 0.4408
CMYK	0.86, 0.01, 0.00, 0.44
HSL	181°, 75%, 32%
HSV	181°, 86%, 56%
XYZ	14.6789, 21.0462, 29.1109
YIQ	105.0490, -72.7580, -25.0300

Conversions

Conversions Part 2

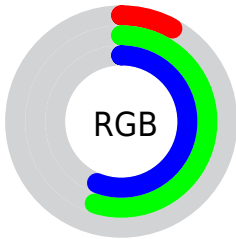
Format	Color
R_{YB}	20, 81, 143
Decimal	1346959
CIE _{Lab}	53.00, -29.15, -9.88
CIE _{LCh}	53, 30.782, 198.717
Yxy	21.0462, 0.2264, 0.3246
Android (android.graphics.Color)	4279537039 (0xFF148D8F)
YUV	105.0490, 18.7098, -74.5880
Hunter-Lab	45.8761, -23.1687, -5.5094

Details

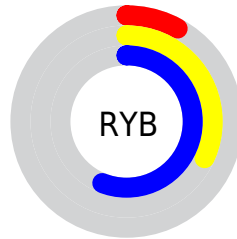
The CIELCh color **53, 30.782, 198.717** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **30, 59.305, 35.610**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 30.857, 199.157**, and **34, 22.994, 201.240** is the 20% darker color. If you saturate the color by 10%, you get **53, 31.532, 198.847**, and if you desaturate by 10%, it is **53, 29.442, 198.668**.

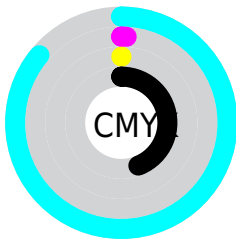
Distribution



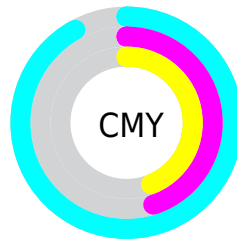
- Red (8%)
- Green (55%)
- Blue (56%)



- Red (8%)
- Yellow (32%)
- Blue (56%)



- Cyan (86%)
- Magenta (1%)
- Yellow (0%)
- Black (44%)





- Cyan (92%)
- Magenta (45%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 30.782, 198.717 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, 30.782, 198.717 by changing the saturation by 10% instead.


 53, 30.782,
198.717


 53, 30.782,
198.717


 100, 30.782,
198.717


 43, 30.782,
198.717


 73, 30.782,
198.717

 33, 30.782,
198.717

 83, 30.782,
198.717

 23, 30.782,
198.717

 93, 30.782,
198.717

 13, 30.782,
198.717

 3, 30.782, 198.717

 0, 30.782, 198.717

■ 53, 30.782,
198.717

■ 53, 30.782,
198.717

■ 53, 31.532,
198.847

■ 53, 29.442,
198.668

■ 53, 31.780,
198.906

■ 54, 27.440,
198.708

■ 54, 24.771,
198.834

■ 55, 21.464,
199.042

■ 56, 17.577,
199.327

■ 56, 13.181,
199.681

■ 57, 8.361, 200.103

■ 59, 3.197, 200.638

Harmonies

Complementary

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



53, 30.782, 198.717



30, 59.305, 35.610

Rectangle

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



53, 30.782, 198.717



53, 30.782, 248.717



53, 30.782, 18.717



53, 30.782, 68.717

Sweetspot

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



53, 30.782, 198.716



72, 16.385, 199.657



52, 73.511, 136.828



38, 11.070, 199.542



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



53, 30.782, 198.716



68, 38.656, 198.962



34, 39.504, 277.074



30, 3.018, 200.440



50, 30.570, 198.894



2, 2.086, 200.807

Inverse Universe

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



34, 70.657, 328.650



44, 90.068, 328.892



41, 48.550, 64.250



28, 5.547, 325.346



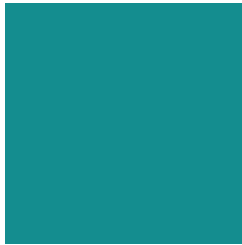
31, 71.211, 328.875



1, 3.726, 324.875

Previews

White Background



This preview shows how the CIELCh color 53, 30.782, 198.717 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, 30.782, 198.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

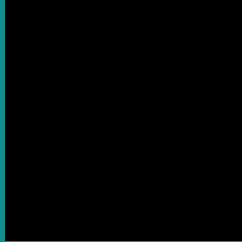
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 30.782, 198.717

Background



This preview shows how black text looks on a background with the CIELCh color 53, 30.782, 198.717.



This preview shows how white text looks on a background with the CIELCh color 53, 30.782, 198.717.

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, 30.859, 198.705

Protanopia

53, 4.661, 295.549

Deuteranopia

53, 14.083, 299.483



Tritanopia
53, 28.882, 210.947

Trichromacy



Original Color
53, 30.859, 198.705



Protanomaly
52, 15.630, 208.714



Deuteranomaly
52, 16.190, 233.627



Tritanomaly
53, 29.594, 205.829

Monochromacy



Original Color
53, 30.859, 198.705



Achromatopsia
44, 0.006, 296.813



Achromatomaly
47, 15.767, 199.885

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 30.782, 198.717 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(20, 141, 143)` looks like.

```
.text, #text, p{  
    color:rgb(20, 141, 143)  
}
```

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(20, 141, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 141, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 30.782, 198.717 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(20, 141, 143) }
```

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

```
.border{ border-color:rgb(20, 141, 143) }
```

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

Here you see how a box with a 4 pixel rgb(20, 141, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 141, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 141, 143);  
box-shadow:4px 4px 4px 4px rgb(20, 141,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 30.782, 198.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 141, 143) }
```

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

```
.background{ background-color: rgb(20, 141,  
143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor