

Converting Colors

CIElCh(52, 31.924, 184.621)

Have a look what the booklet for
CIELCh(52, 31.924, 184.621)
contains.

CIELCh(52, 32.285, 183.716)	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(52, 32.285, 183.716)

Conversions

Conversions Part 1

Format	Color
Hex	1D8B7F
RGB	29, 139, 127
RGB Percent	11%, 55%, 50%
CMY	0.8848, 0.4564, 0.5034
CMYK	0.79, 0.00, 0.09, 0.46
HSL	173°, 65%, 33%
HSV	173°, 79%, 54%
XYZ	13.5015, 20.1443, 23.1292
YIQ	104.7420, -61.7080, -27.0520

Conversions

Conversions Part 2

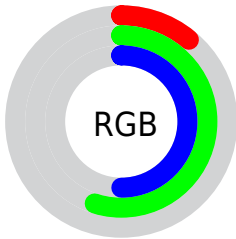
Format	Color
R_{YB}	29, 87, 139
Decimal	1936255
CIE _{Lab}	52.00, -32.22, -2.09
CIE _{LCh}	52, 32.285, 183.716
Yxy	20.1443, 0.2378, 0.3548
Android (android.graphics.Color)	4280126335 (0xFF1D8B7F)
YUV	104.7420, 10.9732, -66.4257
Hunter-Lab	44.8824, -24.8480, 0.8639

Details

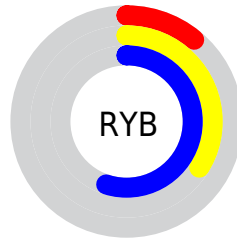
The CIELCh color **52, 32.285, 183.716** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **31, 50.487, 25.259**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 32.286, 184.172**, and **33, 25.500, 181.579** is the 20% darker color. If you saturate the color by 10%, you get **52, 33.948, 182.635**, and if you desaturate by 10%, it is **52, 29.990, 184.709**.

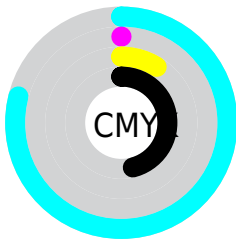
Distribution



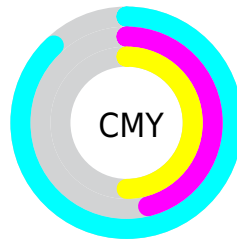
- Red (11%)
- Green (55%)
- Blue (50%)



- Red (11%)
- Yellow (34%)
- Blue (55%)



- Cyan (79%)
- Magenta (0%)
- Yellow (9%)
- Black (46%)





- Cyan (88%)
- Magenta (46%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 32.285, 183.716 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 52, 32.285, 183.716 by changing the saturation by 10% instead.


 52, 32.285,
183.716


 52, 32.285,
183.716


 100, 32.285,
183.716


 42, 32.285,
183.716


 72, 32.285,
183.716

 32, 32.285,
183.716

 82, 32.285,
183.716

 22, 32.285,
183.716

 92, 32.285,
183.716

 12, 32.285,
183.716

 2, 32.285, 183.716

 0, 32.285, 183.716

■ 52, 32.285,
183.716

■ 52, 32.285,
183.716

■ 52, 33.948,
182.635

■ 52, 29.990,
184.709

■ 52, 35.132,
181.488

■ 53, 27.060,
185.635

■ 52, 35.270,
181.354

■ 53, 23.526,
186.509

■ 54, 19.449,
187.347

■ 55, 14.907,
188.159

■ 56, 9.986, 188.959

■ 57, 4.770, 189.774

■ 58, 0.660, 9.829

Harmonies

Complementary

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



52, 32.285, 183.716



31, 50.487, 25.259

Rectangle

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



52, 32.285, 183.716



52, 32.285, 233.716



52, 32.285, 3.716



52, 32.285, 53.716

Sweetspot

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



52, 32.285, 183.715



71, 15.628, 188.502



51, 67.211, 135.908



37, 10.728, 188.248



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



52, 32.285, 183.715



66, 42.445, 181.666



39, 29.626, 259.179



29, 3.039, 189.744



49, 34.135, 181.410



1, 1.435, 190.371

Inverse Universe

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



31, 50.487, 25.259



38, 73.330, 33.232



38, 44.613, 55.294



27, 3.177, 11.029



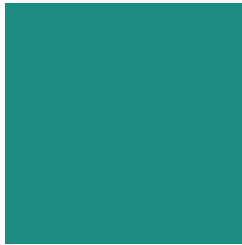
27, 59.728, 33.933



0, 1.435, 10.355

Previews

White Background



This preview shows how the CIE LCh color 52, 32.285, 183.716 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 52, 32.285, 183.716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

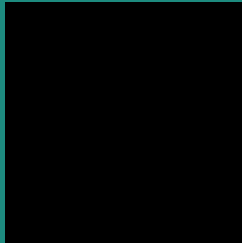
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 32.285, 183.716

Background



This preview shows how black text looks on a background with the CIELCh color 52, 32.285, 183.716.

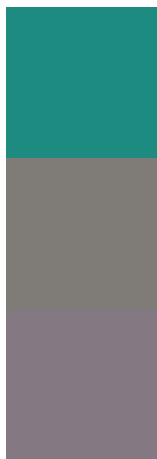


This preview shows how white text looks on a background with the CIELCh color 52, 32.285, 183.716.

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

52, 32.400, 183.750

Protanopia

52, 3.310, 80.264

Deuteranopia

52, 7.998, 327.247



Tritanopia
52, 26.577, 211.086

Trichromacy



Original Color
52, 32.400, 183.750



Protanomaly
51, 14.803, 179.442



Deuteranomaly
51, 11.820, 203.922



Tritanomaly
52, 27.935, 200.370

Monochromacy



Original Color
52, 32.400, 183.750



Achromatopsia
44, 0.006, 296.813



Achromatomaly
46, 14.785, 188.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 32.285, 183.716 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(29, 139, 127)` looks like.

```
.text, #text, p{  
    color:rgb(29, 139, 127)  
}
```

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(29, 139, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 139, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 32.285, 183.716 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(29, 139, 127) }
```

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

```
.border{ border-color:rgb(29, 139, 127) }
```

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

Here you see how a box with a 4 pixel rgb(29, 139, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 139, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 139, 127);  
box-shadow:4px 4px 4px 4px rgb(29, 139,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 32.285, 183.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 139, 127) }
```

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

```
.background{ background-color: rgb(29, 139,  
127) }
```

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