

Converting Colors

CIELCh(52, 31.106, 188.831)

Have a look what the booklet for
CIELCh(52, 31.106, 188.831)
contains.

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Color

CIELCh(52, 31.034, 188.794)

Conversions

Conversions Part 1

Format	Color
Hex	1D8A83
RGB	29, 138, 131
RGB Percent	11%, 54%, 51%
CMY	0.8849, 0.4580, 0.4855
CMYK	0.79, 0.00, 0.05, 0.46
HSL	176°, 65%, 33%
HSV	176°, 79%, 54%
XYZ	13.7433, 20.1443, 24.7058
YIQ	104.6110, -62.7170, -25.2850

Conversions

Conversions Part 2

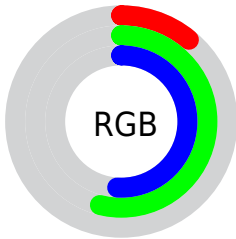
Format	Color
R_{YB}	29, 85, 138
Decimal	1936003
CIE _{Lab}	52.00, -30.67, -4.74
CIE _{LCh}	52, 31.034, 188.794
Yxy	20.1443, 0.2346, 0.3438
Android (android.graphics.Color)	4280126083 (0xFF1D8A83)
YUV	104.6110, 13.0098, -66.3108
Hunter-Lab	44.8824, -23.8865, -1.2189

Details

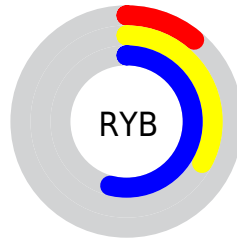
The CIELCh color **52, 31.034, 188.794** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **31, 51.502, 28.448**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 31.077, 188.892**, and **33, 23.941, 188.548** is the 20% darker color. If you saturate the color by 10%, you get **52, 32.476, 188.062**, and if you desaturate by 10%, it is **52, 28.955, 189.488**.

Distribution



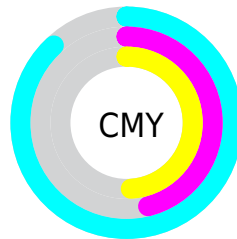
- Red (11%)
- Green (54%)
- Blue (51%)



- Red (11%)
- Yellow (33%)
- Blue (54%)



- Cyan (79%)
- Magenta (0%)
- Yellow (5%)
- Black (46%)





- Cyan (88%)
- Magenta (46%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 31.034, 188.794 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, 31.034, 188.794 by changing the saturation by 10% instead.


 52, 31.034,
188.794


 52, 31.034,
188.794


 100, 31.034,
188.794


 42, 31.034,
188.794


 72, 31.034,
188.794

 32, 31.034,
188.794

 82, 31.034,
188.794

 22, 31.034,
188.794

 92, 31.034,
188.794

 12, 31.034,
188.794

 2, 31.034, 188.794

 0, 31.034, 188.794

■ 52, 31.034,
188.794

■ 52, 31.034,
188.794

■ 52, 32.476,
188.062

■ 52, 28.955,
189.488

■ 52, 33.436,
187.301

■ 53, 26.231,
190.163

■ 52, 33.550,
187.209

■ 53, 22.890,
190.827

■ 54, 18.988,
191.490

■ 55, 14.597,
192.158

■ 56, 9.802, 192.839

■ 57, 4.686, 193.559

■ 58, 0.672, 13.534

Harmonies

Complementary

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



52, 31.034, 188.794



31, 51.502, 28.448

Rectangle

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



52, 31.034, 188.794



52, 31.034, 238.794



52, 31.034, 8.794



52, 31.034, 58.794

Sweetspot

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



52, 31.034, 188.793



70, 15.204, 192.446



50, 67.690, 136.642



36, 10.307, 192.236



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



52, 31.034, 188.793



66, 40.093, 187.424



37, 31.804, 266.087



29, 3.004, 193.529



50, 32.551, 187.242



1, 1.422, 194.081

Inverse Universe

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



31, 51.502, 28.448



37, 74.585, 35.765



39, 43.882, 59.568



27, 3.156, 14.671



27, 61.164, 36.063



0, 1.422, 14.064

Previews

White Background



This preview shows how the CIELCh color 52, 31.034, 188.794 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, 31.034, 188.794 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, 31.034, 188.794

Background



This preview shows how black text looks on a background with the CIELCh color 52, 31.034, 188.794.



This preview shows how white text looks on a background with the CIELCh color 52, 31.034, 188.794.

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, 31.034, 188.794

Protanopia

52, 1.331, 45.002

Deuteranopia

52, 9.603, 315.103



Tritanopia
52, 27.010, 210.820

Trichromacy



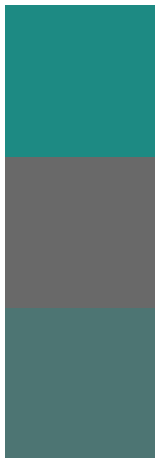
Original Color
52, 31.034, 188.794

Protanomaly
51, 14.326, 188.512

Deuteranomaly
51, 12.762, 217.024

Tritanomaly
52, 28.110, 201.547

Monochromacy



Original Color
52, 31.034, 188.794

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 14.813, 193.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 31.034, 188.794 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, 138, 131)` looks like.

```
.text, #text, p{  
    color:rgb(29, 138, 131)  
}
```

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, 138, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 138, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 31.034, 188.794 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, 138, 131) }
```

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

```
.border{ border-color:rgb(29, 138, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 138, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 138, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 138, 131);  
box-shadow:4px 4px 4px 4px rgb(29, 138,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 31.034, 188.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 138, 131) }
```

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

```
.background{ background-color: rgb(29, 138,  
131) }
```

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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