

Converting Colors

CIELCh(53, 31.975, 190.235)

Have a look what the booklet for
CIELCh(53, 31.975, 190.235)
contains.

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Color

CIELCh(53, 31.970, 190.064)

Conversions

Conversions Part 1

Format	Color
Hex	178D87
RGB	23, 141, 135
RGB Percent	9%, 55%, 53%
CMY	0.9083, 0.4463, 0.4699
CMYK	0.83, 0.00, 0.04, 0.45
HSL	177°, 72%, 32%
HSV	177°, 83%, 55%
XYZ	14.3007, 21.0462, 26.2981
YIQ	105.0340, -68.4020, -26.8820

Conversions

Conversions Part 2

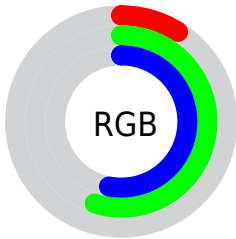
Format	Color
R_{YB}	23, 84, 141
Decimal	1543559
CIE _{Lab}	53.00, -31.48, -5.59
CIE _{LCh}	53, 31.970, 190.064
Yxy	21.0462, 0.2320, 0.3414
Android (android.graphics.Color)	4279733639 (0xFF178D87)
YUV	105.0340, 14.7732, -71.9438
Hunter-Lab	45.8761, -24.6403, -1.8742

Details

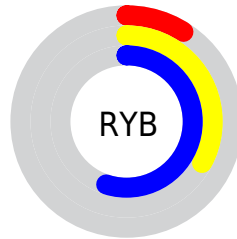
The CIELCh color **53, 31.970, 190.064** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **30, 55.803, 31.207**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 31.813, 190.072**, and **34, 24.472, 188.764** is the 20% darker color. If you saturate the color by 10%, you get **53, 33.084, 189.435**, and if you desaturate by 10%, it is **53, 30.228, 190.667**.

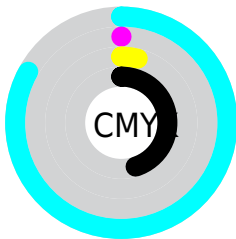
Distribution



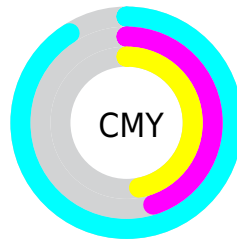
- Red (9%)
- Green (55%)
- Blue (53%)



- Red (9%)
- Yellow (33%)
- Blue (55%)



- Cyan (83%)
- Magenta (0%)
- Yellow (4%)
- Black (45%)





- Cyan (91%)
- Magenta (45%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 31.970, 190.064 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, 31.970, 190.064 by changing the saturation by 10% instead.


 53, 31.970,
190.064


 53, 31.970,
190.064


 100, 31.970,
190.064


 43, 31.970,
190.064


 73, 31.970,
190.064

 33, 31.970,
190.064

 83, 31.970,
190.064

 23, 31.970,
190.064

 93, 31.970,
190.064

 13, 31.970,
190.064

 3, 31.970, 190.064

 0, 31.970, 190.064

■ 53, 31.970,
190.064

■ 53, 31.970,
190.064

■ 53, 33.084,
189.435

■ 53, 30.228,
190.667

■ 53, 33.647,
189.022

■ 54, 27.826,
191.260

■ 54, 24.774,
191.852

■ 55, 21.114,
192.452

■ 55, 16.912,
193.065

■ 56, 12.250,
193.696

■ 57, 7.212, 194.356

■ 58, 1.882, 195.169



Harmonies

Complementary

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



53, 31.970, 190.064



30, 55.803, 31.207

Rectangle

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



53, 31.970, 190.064



53, 31.970, 240.064



53, 31.970, 10.064



53, 31.970, 60.064

Sweetspot

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



53, 31.970, 190.063



71, 16.089, 193.562



51, 71.210, 136.335



37, 10.831, 193.367



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



53, 31.970, 190.063



67, 40.861, 188.871



37, 33.990, 268.119



30, 3.088, 194.656



51, 32.589, 189.050



2, 2.129, 195.186

Inverse Universe

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



30, 55.803, 31.207



38, 79.531, 37.975



39, 47.474, 58.935



28, 3.249, 15.757



27, 62.525, 36.754



0, 2.129, 15.169

Previews

White Background



This preview shows how the CIE LCh color 53, 31.970, 190.064 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, 31.970, 190.064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

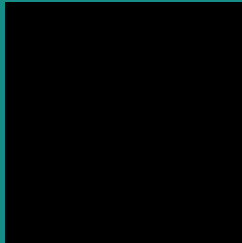
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 31.970, 190.064

Background



This preview shows how black text looks on a background with the CIELCh color 53, 31.970, 190.064.

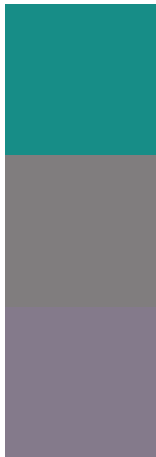


This preview shows how white text looks on a background with the CIELCh color 53, 31.970, 190.064.

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, 31.970, 190.064

Protanopia

53, 1.338, 353.646

Deuteranopia

53, 10.640, 312.582



Tritanopia
53, 28.111, 210.154

Trichromacy



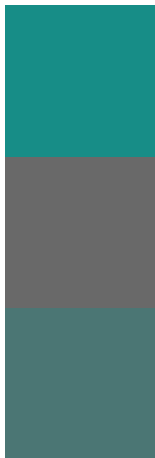
Original Color
53, 31.970, 190.064

Protanomaly
52, 15.004, 193.412

Deuteranomaly
52, 13.623, 220.986

Tritanomaly
53, 29.209, 202.457

Monochromacy



Original Color
53, 31.970, 190.064

Achromatopsia
44, 0.006, 296.813

Achromatomaly
47, 15.748, 193.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 31.970, 190.064 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(23, 141, 135)` looks like.

```
.text, #text, p{  
    color:rgb(23, 141, 135)  
}
```

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(23, 141, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 141, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 31.970, 190.064 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(23, 141, 135) }
```

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

```
.border{ border-color:rgb(23, 141, 135) }
```

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

Here you see how a box with a 4 pixel rgb(23, 141, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 141, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 141, 135);  
box-shadow:4px 4px 4px 4px rgb(23, 141,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 31.970, 190.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 141, 135) }
```

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

```
.background{ background-color: rgb(23, 141,  
135) }
```

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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