

Converting Colors

CIELCh(53, 37.995, 169.285)

Have a look what the booklet for
CIELCh(53, 37.995, 169.285)
contains.

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Color

CIELCh(53, 38.251, 168.815)

Conversions

Conversions Part 1

Format	Color
Hex	218F71
RGB	33, 143, 113
RGB Percent	13%, 56%, 44%
CMY	0.8725, 0.4405, 0.5581
CMYK	0.77, 0.00, 0.21, 0.44
HSL	164°, 63%, 34%
HSV	164°, 77%, 56%
XYZ	13.3473, 21.0462, 18.8898
YIQ	106.6900, -55.9300, -32.6500

Conversions

Conversions Part 2

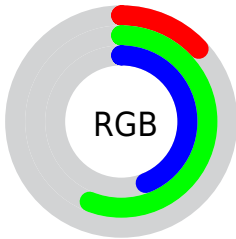
Format	Color
R_{YB}	33, 97, 143
Decimal	2199409
CIE _{Lab}	53.00, -37.52, 7.42
CIE _{LCh}	53, 38.251, 168.815
Yxy	21.0462, 0.2505, 0.3950
Android (android.graphics.Color)	4280389489 (0xFF218F71)
YUV	106.6900, 3.1108, -64.6261
Hunter-Lab	45.8761, -28.3500, 7.7002

Details

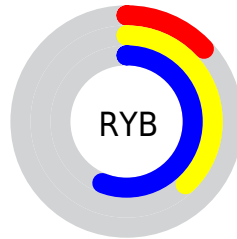
The CIELCh color **53, 38.251, 168.815** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **32, 48.324, 11.974**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 38.424, 168.723**, and **34, 32.450, 163.989** is the 20% darker color. If you saturate the color by 10%, you get **53, 41.052, 167.049**, and if you desaturate by 10%, it is **53, 34.835, 170.401**.

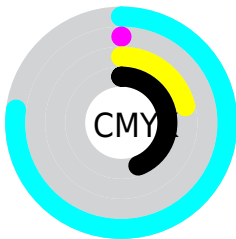
Distribution



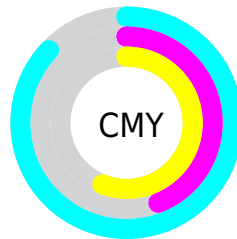
- Red (13%)
- Green (56%)
- Blue (44%)



- Red (13%)
- Yellow (38%)
- Blue (56%)



- Cyan (77%)
- Magenta (0%)
- Yellow (21%)
- Black (44%)





- Cyan (87%)
- Magenta (44%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 38.251, 168.815 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, 38.251, 168.815 by changing the saturation by 10% instead.


 53, 38.251,
168.815


 53, 38.251,
168.815


 100, 38.251,
168.815


 43, 38.251,
168.815


 73, 38.251,
168.815

 33, 38.251,
168.815

 83, 38.251,
168.815

 23, 38.251,
168.815

 93, 38.251,
168.815

 13, 38.251,
168.815

 3, 38.251, 168.815

 0, 38.251, 168.815

■ 53, 38.251,
168.815

■ 53, 38.251,
168.815

■ 53, 41.052,
167.049

■ 53, 34.835,
170.401

■ 52, 43.325,
165.135

■ 54, 30.820,
171.828

■ 52, 43.938,
164.619

■ 55, 26.260,
173.118

■ 55, 21.235,
174.293

■ 56, 15.838,
175.375

■ 57, 10.164,
176.385

■ 58, 4.301, 177.367

■ 60, 1.673, 357.930

Harmonies

Complementary

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



53, 38.251, 168.815



32, 48.324, 11.974

Rectangle

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



53, 38.251, 168.815



53, 38.251, 218.815



53, 38.251, 348.815



53, 38.251, 38.815

Sweetspot

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



53, 38.251, 168.814



72, 16.727, 175.758



53, 65.141, 132.673



38, 11.608, 175.421



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, 38.251, 168.814



67, 52.091, 165.551



46, 26.117, 230.656



30, 3.362, 177.170



50, 42.171, 164.733



2, 2.291, 177.929

Inverse Universe

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



32, 48.324, 11.974



40, 67.389, 19.921



36, 48.036, 42.922



28, 3.458, 358.699



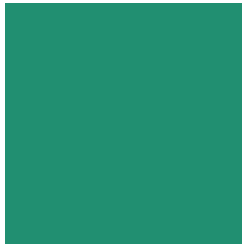
28, 54.964, 21.962



0, 2.292, 357.916

Previews

White Background



This preview shows how the CIE LCh color 53, 38.251, 168.815 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, 38.251, 168.815 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, 38.251, 168.815

Background



This preview shows how black text looks on a background with the CIELCh color 53, 38.251, 168.815.

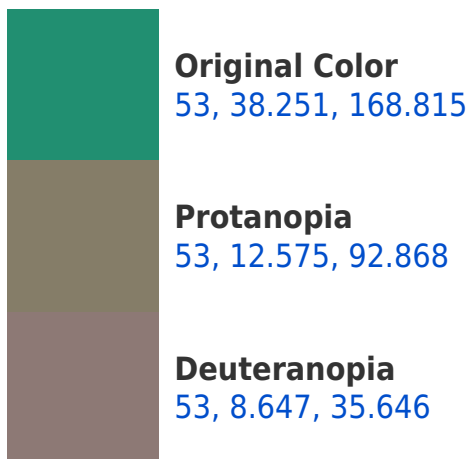


This preview shows how white text looks on a background with the CIELCh color 53, 38.251, 168.815.

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





Tritanopia
53, 25.533, 211.741

Trichromacy



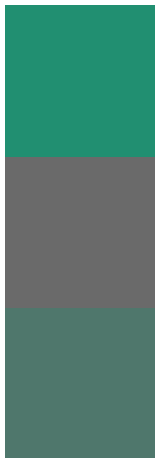
Original Color
53, 38.251, 168.815

Protanomaly
52, 19.792, 152.834

Deuteranomaly
52, 13.486, 160.935

Tritanomaly
53, 28.461, 191.968

Monochromacy



Original Color
53, 38.251, 168.815

Achromatopsia
45, 0.006, 296.813

Achromatomaly
47, 16.710, 174.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 38.251, 168.815 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(33, 143, 113)` looks like.

```
.text, #text, p{  
    color:rgb(33, 143, 113)  
}
```

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(33, 143, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 143, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 38.251, 168.815 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(33, 143, 113) }
```

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

```
.border{ border-color:rgb(33, 143, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 143, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 143, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 143, 113);  
box-shadow:4px 4px 4px 4px rgb(33, 143,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 38.251, 168.815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 143, 113) }
```

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

```
.background{ background-color: rgb(33, 143,  
113) }
```

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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