

Converting Colors

CIELCh(63, 37.527, 184.030)

Have a look what the booklet for
CIELCh(63, 37.527, 184.030)
contains.

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Color

CIELCh(63, 37.523, 184.122)

Conversions

Conversions Part 1

Format	Color
Hex	25AA9C
RGB	37, 170, 156
RGB Percent	15%, 67%, 61%
CMY	0.8542, 0.3329, 0.3878
CMYK	0.78, 0.00, 0.08, 0.33
HSL	174°, 64%, 41%
HSV	174°, 78%, 67%
XYZ	21.1714, 31.5869, 36.4767
YIQ	128.6370, -74.7740, -32.5500

Conversions

Conversions Part 2

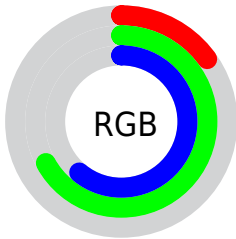
Format	Color
RYB	37, 107, 170
Decimal	2468508
CIELab	63.00, -37.43, -2.70
CIELCh	63, 37.523, 184.122
Yxy	31.5869, 0.2373, 0.3540
Android (android.graphics.Color)	4280658588 (0xFF25AA9C)
YUV	128.6370, 13.4900, -80.3656
Hunter-Lab	56.2022, -31.1130, 0.8609

Details

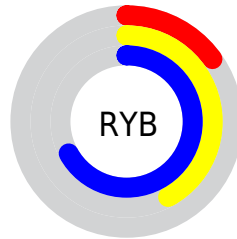
The CIELCh color **63, 37.523, 184.122** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **38, 59.264, 25.852**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 37.642, 183.756**, and **44, 30.908, 182.459** is the 20% darker color. If you saturate the color by 10%, you get **63, 39.405, 183.046**, and if you desaturate by 10%, it is **63, 34.883, 185.110**.

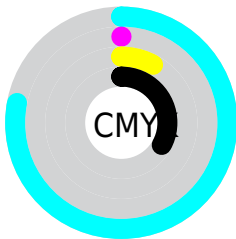
Distribution



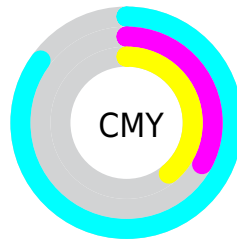
- Red (15%)
- Green (67%)
- Blue (61%)



- Red (15%)
- Yellow (42%)
- Blue (67%)



- Cyan (78%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)





- Cyan (85%)
- Magenta (33%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 37.523, 184.122 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 63, 37.523, 184.122 by changing the saturation by 10% instead.


 63, 37.523,
184.122


 63, 37.523,
184.122


 100, 37.523,
184.122


 53, 37.523,
184.122


 83, 37.523,
184.122

 43, 37.523,
184.122

 93, 37.523,
184.122

 33, 37.523,
184.122

 23, 37.523,
184.122

 13, 37.523,
184.122

 3, 37.523, 184.122

 0, 37.523, 184.122

■ 63, 37.523,
184.122

■ 63, 37.523,
184.122

■ 63, 39.405,
183.046

■ 63, 34.883,
185.110

■ 63, 40.649,
181.886

■ 64, 31.476,
186.032

■ 63, 40.861,
181.672

■ 65, 27.340,
186.904

■ 65, 22.547,
187.741

■ 66, 17.193,
188.554

■ 67, 11.380,
189.357

■ 69, 5.214, 190.181

■ 70, 1.209, 10.461

Harmonies

Complementary

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



63, 37.523, 184.122



38, 59.264, 25.852

Rectangle

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



63, 37.523, 184.122



63, 37.523, 234.122



63, 37.523, 4.122



63, 37.523, 54.122

Sweetspot

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



63, 37.523, 184.121



85, 17.670, 188.934



61, 78.529, 135.872



45, 12.209, 188.651



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 37.523, 184.121



80, 49.208, 182.169



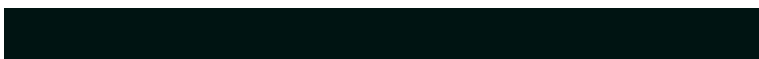
48, 34.653, 259.463



35, 3.584, 190.083



55, 36.819, 181.822



5, 6.731, 187.677

Inverse Universe

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



38, 59.264, 25.852



47, 85.771, 33.620



47, 52.346, 55.232



33, 3.754, 11.408



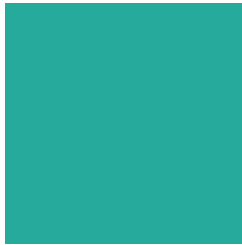
30, 65.224, 34.719



1, 6.640, 11.906

Previews

White Background



This preview shows how the CIELCh color 63, 37.523, 184.122 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 63, 37.523, 184.122 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 ✓ Pass

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

CIELCh 63, 37.523, 184.122

Background



This preview shows how black text looks on a background with the CIELCh color 63, 37.523, 184.122.

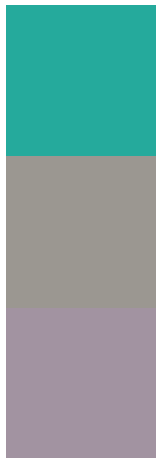


This preview shows how white text looks on a background with the CIELCh color 63, 37.523, 184.122.

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
63, 37.523, 184.122

Protanopia
63, 3.683, 84.562

Deuteranopia
63, 9.744, 326.774



Tritanopia
63, 31.168, 210.639

Trichromacy



Original Color
63, 37.523, 184.122



Protanomaly
62, 17.485, 180.962



Deuteranomaly
61, 13.573, 207.855



Tritanomaly
63, 32.752, 199.694

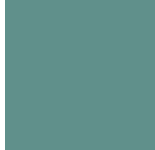
Monochromacy



Original Color
63, 37.523, 184.122



Achromatopsia
54, 0.007, 296.813



Achromatomaly
56, 17.503, 188.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 37.523, 184.122 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(37, 170, 156)` looks like.

```
.text, #text, p{  
    color:rgb(37, 170, 156)  
}
```

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(37, 170, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 170, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 37.523, 184.122 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(37, 170, 156) }
```

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

```
.border{ border-color:rgb(37, 170, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 170, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 170, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 170, 156);  
box-shadow:4px 4px 4px 4px rgb(37, 170,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 37.523, 184.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 170, 156) }
```

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

```
.background{ background-color: rgb(37, 170,  
156) }
```

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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