

Converting Colors

CIELCh(62, 35.215, 190.034)

Have a look what the booklet for
CIELCh(62, 35.215, 190.034)
contains.

CIELCh(62, 35.328, 189.987)	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(62, 35.328, 189.987)

Conversions

Conversions Part 1

Format	Color
Hex	25A7A0
RGB	37, 167, 160
RGB Percent	15%, 65%, 63%
CMY	0.8538, 0.3468, 0.3742
CMYK	0.78, 0.00, 0.04, 0.35
HSL	177°, 63%, 40%
HSV	177°, 78%, 65%
XYZ	20.8219, 30.4025, 37.8368
YIQ	127.3320, -75.2330, -29.7370

Conversions

Conversions Part 2

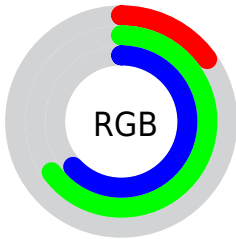
Format	Color
RYB	37, 104, 167
Decimal	2467744
CIELab	62.00, -34.79, -6.13
CIElCh	62, 35.328, 189.987
Yxy	30.4025, 0.2338, 0.3414
Android (android.graphics.Color)	4280657824 (0xFF25A7A0)
YUV	127.3320, 16.1053, -79.2212
Hunter-Lab	55.1385, -29.0857, -2.0886

Details

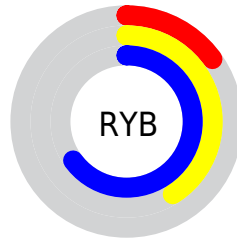
The CIELCh color **62, 35.328, 189.987** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **37, 59.438, 29.178**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 35.469, 190.055**, and **43, 28.631, 190.143** is the 20% darker color. If you saturate the color by 10%, you get **62, 36.945, 189.334**, and if you desaturate by 10%, it is **62, 32.958, 190.615**.

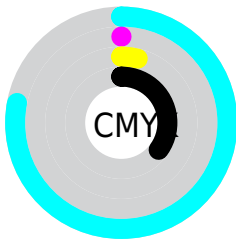
Distribution



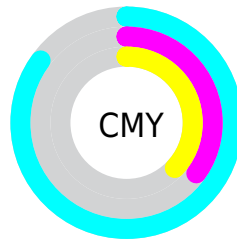
- Red (15%)
- Green (65%)
- Blue (63%)



- Red (15%)
- Yellow (41%)
- Blue (65%)



- Cyan (78%)
- Magenta (0%)
- Yellow (4%)
- Black (35%)





- Cyan (85%)
- Magenta (35%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 35.328, 189.987 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 62, 35.328, 189.987 by changing the saturation by 10% instead.


 62, 35.328,
189.987


 62, 35.328,
189.987


 100, 35.328,
189.987


 52, 35.328,
189.987


 82, 35.328,
189.987

 42, 35.328,
189.987

 92, 35.328,
189.987

 32, 35.328,
189.987

 22, 35.328,
189.987

 12, 35.328,
189.987

 2, 35.328, 189.987

 0, 35.328, 189.987

■ 62, 35.328,
189.987

■ 62, 35.328,
189.987

■ 62, 36.945,
189.334

■ 62, 32.958,
190.615

■ 62, 37.917,
188.651

■ 63, 29.822,
191.235

■ 62, 38.119,
188.490

■ 63, 25.953,
191.855

■ 64, 21.418,
192.484

■ 65, 16.305,
193.127

■ 66, 10.712,
193.790

■ 67, 4.741, 194.505

■ 69, 1.515, 14.760

Harmonies

Complementary

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



62, 35.328, 189.987



37, 59.438, 29.178

Rectangle

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



62, 35.328, 189.987



62, 35.328, 239.987



62, 35.328, 9.987



62, 35.328, 59.987

Sweetspot

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



62, 35.328, 189.986



83, 17.048, 193.402



60, 77.659, 136.636



44, 11.765, 193.172



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



62, 35.328, 189.986



78, 45.832, 188.851



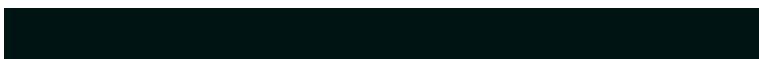
45, 36.498, 266.121



35, 3.540, 194.376



55, 34.914, 188.563



5, 6.620, 193.190

Inverse Universe

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



37, 59.438, 29.178



46, 86.224, 35.988



47, 50.369, 59.558



33, 3.729, 15.527



30, 67.120, 37.166



1, 6.593, 15.536

Previews

White Background



This preview shows how the CIELCh color 62, 35.328, 189.987 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 62, 35.328, 189.987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

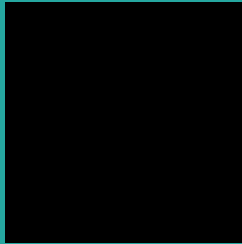
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

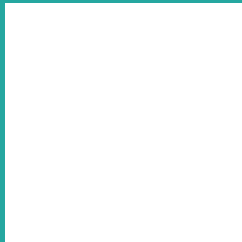
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 62, 35.328, 189.987

Background



This preview shows how black text looks on a background with the CIELCh color 62, 35.328, 189.987.

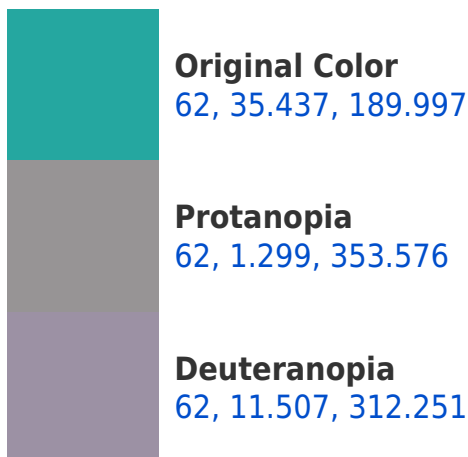


This preview shows how white text looks on a background with the CIELCh color 62, 35.328, 189.987.

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
62, 31.141, 210.673

Trichromacy



Original Color
62, 35.437, 189.997



Protanomaly
61, 16.049, 193.917



Deuteranomaly
61, 14.621, 218.703

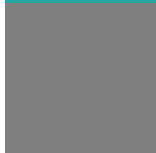


Tritanomaly
62, 32.282, 202.820

Monochromacy



Original Color
62, 35.437, 189.997



Achromatopsia
53, 0.007, 296.813



Achromatomaly
55, 16.802, 193.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 35.328, 189.987 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, 167, 160)` looks like.

```
.text, #text, p{  
    color:rgb(37, 167, 160)  
}
```

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, 167, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 167, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 35.328, 189.987 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, 167, 160) }
```

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

```
.border{ border-color:rgb(37, 167, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 167, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 167, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 167, 160);  
box-shadow:4px 4px 4px 4px rgb(37, 167,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 35.328, 189.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 167, 160) }
```

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

```
.background{ background-color: rgb(37, 167,  
160) }
```

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