

Converting Colors

CIELCh(62, 34.605, 191.531)

Have a look what the booklet for
CIELCh(62, 34.605, 191.531)
contains.

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Color

CIELCh(62, 34.540, 191.783)

Conversions

Conversions Part 1

Format	Color
Hex	28A6A1
RGB	40, 166, 161
RGB Percent	16%, 65%, 63%
CMY	0.8415, 0.3480, 0.3677
CMYK	0.76, 0.00, 0.03, 0.35
HSL	178°, 61%, 41%
HSV	178°, 76%, 65%
XYZ	21.0257, 30.4025, 38.5897
YIQ	127.7560, -73.4910, -28.2670

Conversions

Conversions Part 2

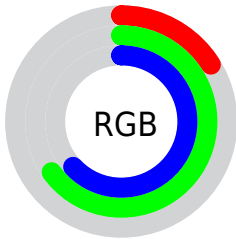
Format	Color
RYB	40, 104, 166
Decimal	2664097
CIELab	62.00, -33.81, -7.05
CIELCh	62, 34.540, 191.783
Yxy	30.4025, 0.2336, 0.3377
Android (android.graphics.Color)	4280854177 (0xFF28A6A1)
YUV	127.7560, 16.3893, -76.9620
Hunter-Lab	55.1385, -28.4257, -2.8982

Details

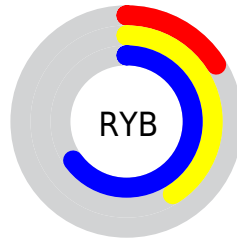
The CIELCh color **62, 34.540, 191.783** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **38, 58.328, 29.415**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 34.724, 191.723**, and **43, 28.040, 192.560** is the 20% darker color. If you saturate the color by 10%, you get **62, 36.229, 191.264**, and if you desaturate by 10%, it is **62, 32.091, 192.299**.

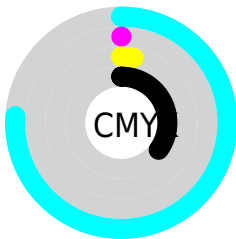
Distribution



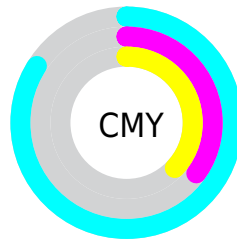
- Red (16%)
- Green (65%)
- Blue (63%)



- Red (16%)
- Yellow (41%)
- Blue (65%)



- Cyan (76%)
- Magenta (0%)
- Yellow (3%)
- Black (35%)





- Cyan (84%)
- Magenta (35%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 34.540, 191.783 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, 34.540, 191.783 by changing the saturation by 10% instead.

 62, 34.540,
191.783


 62, 34.540,
191.783


 100, 34.540,
191.783

 52, 34.540,
191.783


 82, 34.540,
191.783

 42, 34.540,
191.783

 92, 34.540,
191.783

 32, 34.540,
191.783

 22, 34.540,
191.783

 12, 34.540,
191.783

 2, 34.540, 191.783

 0, 34.540, 191.783

■ 62, 34.540,
191.783

■ 62, 34.540,
191.783

■ 62, 36.229,
191.264

■ 62, 32.091,
192.299

■ 62, 37.226,
190.736

■ 63, 28.879,
192.827

■ 62, 37.561,
190.509

■ 64, 24.940,
193.372

■ 64, 20.344,
193.939

■ 65, 15.180,
194.532

■ 66, 9.548, 195.158

■ 67, 3.546, 195.868

■ 69, 2.733, 16.201

Harmonies

Complementary

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



62, 34.540, 191.783



38, 58.328, 29.415

Rectangle

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



62, 34.540, 191.783



62, 34.540, 241.783



62, 34.540, 11.783



62, 34.540, 61.783

Sweetspot

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



62, 34.540, 191.782



83, 16.984, 194.671



60, 76.537, 137.009



44, 11.717, 194.458



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, 34.540, 191.782



79, 45.066, 190.897



45, 36.592, 267.452



35, 3.532, 195.589



55, 34.459, 190.564



5, 6.600, 194.800

Inverse Universe

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



38, 58.328, 29.415



46, 85.551, 35.951



48, 48.789, 61.277



33, 3.725, 16.683



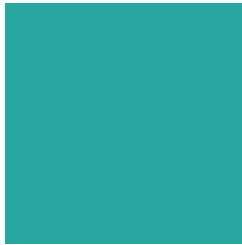
30, 67.614, 37.758



1, 6.585, 16.556

Previews

White Background



This preview shows how the CIELCh color 62, 34.540, 191.783 looks on a white background.

Color Contrast Check

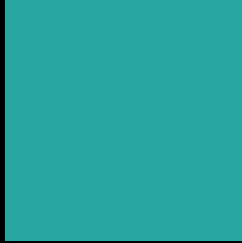
Large Text (above 18pt) WCAG AA × Fail

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, 34.540, 191.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

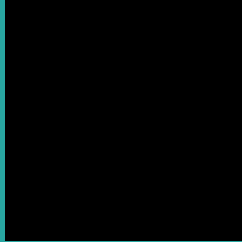
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 34.540, 191.783

Background



This preview shows how black text looks on a background with the CIELCh color 62, 34.540, 191.783.

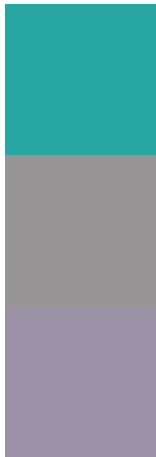


This preview shows how white text looks on a background with the CIELCh color 62, 34.540, 191.783.

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

62, 34.540, 191.783

Protanopia

62, 1.628, 335.626

Deuteranopia

62, 12.441, 308.803



Tritanopia
62, 30.873, 210.814

Trichromacy



Original Color
62, 34.540, 191.783



Protanomaly
61, 15.636, 195.935



Deuteranomaly
61, 14.925, 223.008



Tritanomaly
62, 31.897, 202.923

Monochromacy



Original Color
62, 34.540, 191.783



Achromatopsia
54, 0.007, 296.813



Achromatomaly
56, 16.483, 193.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 34.540, 191.783 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(40, 166, 161)` looks like.

```
.text, #text, p{  
    color:rgb(40, 166, 161)  
}
```

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(40, 166, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 166, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 34.540, 191.783 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(40, 166, 161) }
```

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

```
.border{ border-color:rgb(40, 166, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 166, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 166, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 166, 161);  
box-shadow:4px 4px 4px 4px rgb(40, 166,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 34.540, 191.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 166, 161) }
```

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

```
.background{ background-color: rgb(40, 166,  
161) }
```

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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