

Converting Colors

CIELCh(62, 34.868, 196.474)

Have a look what the booklet for
CIELCh(62, 34.868, 196.474)
contains.

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Color

CIELCh(62, 34.819, 196.506)

Conversions

Conversions Part 1

Format	Color
Hex	1EA6A6
RGB	30, 166, 166
RGB Percent	12%, 65%, 65%
CMY	0.8840, 0.3480, 0.3480
CMYK	0.82, 0.00, 0.00, 0.35
HSL	180°, 70%, 38%
HSV	180°, 82%, 65%
XYZ	21.1151, 30.4025, 40.9590
YIQ	125.3360, -81.0560, -28.8320

Conversions

Conversions Part 2

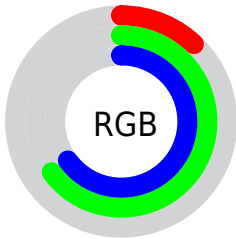
Format	Color
RYB	30, 98, 166
Decimal	2008742
CIELab	62.00, -33.38, -9.89
CIELCh	62, 34.819, 196.506
Yxy	30.4025, 0.2283, 0.3288
Android (android.graphics.Color)	4280198822 (0xFF1EA6A6)
YUV	125.3360, 20.0474, -83.6097
Hunter-Lab	55.1385, -28.1363, -5.4460

Details

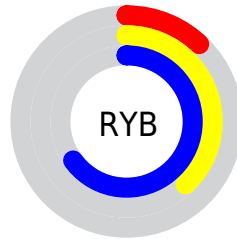
The CIELCh color **62, 34.819, 196.506** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **36, 64.783, 34.263**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 34.884, 196.162**, and **43, 27.337, 197.693** is the 20% darker color. If you saturate the color by 10%, you get **62, 35.887, 196.420**, and if you desaturate by 10%, it is **62, 33.027, 196.648**.

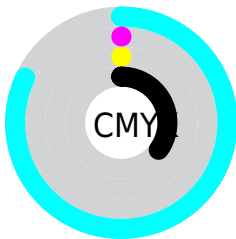
Distribution



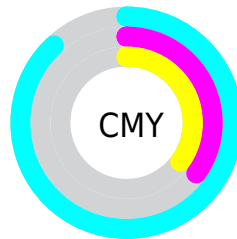
- Red (12%)
- Green (65%)
- Blue (65%)



- Red (12%)
- Yellow (38%)
- Blue (65%)



- Cyan (82%)
- Magenta (0%)
- Yellow (0%)
- Black (35%)





- Cyan (88%)
- Magenta (35%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 34.819, 196.506 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, 34.819, 196.506 by changing the saturation by 10% instead.

 62, 34.819,
196.506


 62, 34.819,
196.506


 100, 34.819,
196.506


 52, 34.819,
196.506


 82, 34.819,
196.506

 42, 34.819,
196.506

 92, 34.819,
196.506

 32, 34.819,
196.506

 22, 34.819,
196.506

 12, 34.819,
196.506

 2, 34.819, 196.506

 0, 34.819, 196.506

■ 62, 34.819,
196.506

■ 62, 34.819,
196.506

■ 62, 35.887,
196.420

■ 62, 33.027,
196.648

■ 62, 36.386,
196.380

■ 63, 30.468,
196.853

■ 63, 27.146,
197.123

■ 64, 23.104,
197.456

■ 65, 18.413,
197.850

■ 66, 13.165,
198.302

■ 67, 7.455, 198.818

■ 68, 1.381, 199.630

Harmonies

Complementary

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



62, 34.819, 196.506



36, 64.783, 34.263

Rectangle

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



62, 34.819, 196.506



62, 34.819, 246.506



62, 34.819, 16.506



62, 34.819, 66.506

Sweetspot

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



62, 34.819, 196.505



83, 18.185, 198.149



60, 80.826, 136.881



44, 12.355, 197.996



94, 0.011, 296.813



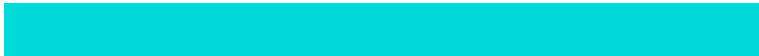
46, 0.006, 296.813

Same Dimension

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



62, 34.819, 196.505



79, 44.275, 196.384



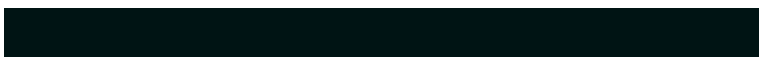
42, 41.671, 274.123



35, 3.516, 198.988



55, 33.389, 196.380



5, 6.572, 199.417

Inverse Universe

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



36, 64.783, 34.263



45, 91.937, 39.746



48, 52.884, 63.259



33, 3.724, 19.903



30, 69.025, 39.358



1, 6.572, 19.402

Previews

White Background



This preview shows how the CIELCh color 62, 34.819, 196.506 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, 34.819, 196.506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

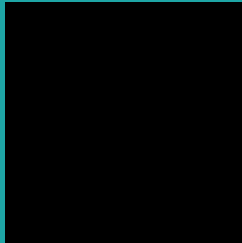
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 34.819, 196.506

Background



This preview shows how black text looks on a background with the CIELCh color 62, 34.819, 196.506.

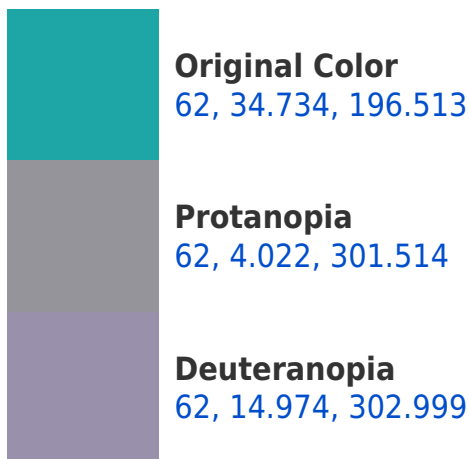


This preview shows how white text looks on a background with the CIELCh color 62, 34.819, 196.506.

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, 32.209, 211.192

Trichromacy



Original Color
62, 34.734, 196.513



Protanomaly
61, 16.972, 205.636



Deuteranomaly
61, 17.262, 230.002



Tritanomaly
62, 32.969, 205.671

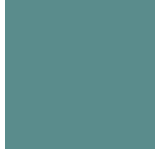
Monochromacy



Original Color
62, 34.734, 196.513



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 17.526, 197.730

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 34.819, 196.506 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(30, 166, 166)` looks like.

```
.text, #text, p{  
    color:rgb(30, 166, 166)  
}
```

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(30, 166, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 166, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 34.819, 196.506 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(30, 166, 166) }
```

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

```
.border{ border-color:rgb(30, 166, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 166, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 166, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 166, 166);  
box-shadow:4px 4px 4px 4px rgb(30, 166,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 34.819, 196.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 166, 166) }
```

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

```
.background{ background-color: rgb(30, 166,  
166) }
```

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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