

Converting Colors

CIELCh(63, 34.526, 196.554)

Have a look what the booklet for
CIELCh(63, 34.526, 196.554)
contains.

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Color

CIELCh(63, 34.500, 196.568)

Conversions

Conversions Part 1

Format	Color
Hex	26A9A9
RGB	38, 169, 169
RGB Percent	15%, 66%, 66%
CMY	0.8520, 0.3378, 0.3378
CMYK	0.78, 0.00, 0.00, 0.34
HSL	180°, 63%, 41%
HSV	180°, 78%, 66%
XYZ	22.0979, 31.5869, 42.3962
YIQ	129.8310, -78.0760, -27.7720

Conversions

Conversions Part 2

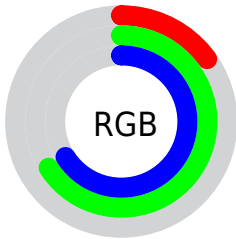
Format	Color
R_{YB}	38, 104, 169
Decimal	2533801
CIE _{Lab}	63.00, -33.07, -9.84
CIE _{LCh}	63, 34.500, 196.568
Yxy	31.5869, 0.2300, 0.3288
Android (android.graphics.Color)	4280723881 (0xFF26A9A9)
YUV	129.8310, 19.3103, -80.5358
Hunter-Lab	56.2022, -28.1705, -5.3839

Details

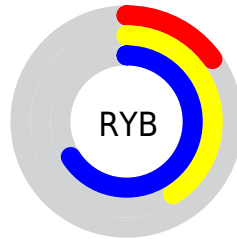
The CIELCh color **63, 34.500, 196.568** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **38, 61.995, 32.683**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 34.522, 196.202**, and **44, 27.856, 197.663** is the 20% darker color. If you saturate the color by 10%, you get **63, 35.900, 196.457**, and if you desaturate by 10%, it is **63, 32.340, 196.737**.

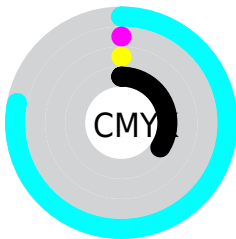
Distribution



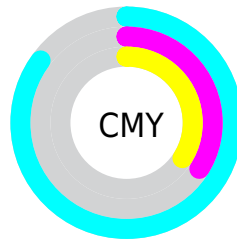
- Red (15%)
- Green (66%)
- Blue (66%)



- Red (15%)
- Yellow (41%)
- Blue (66%)



- Cyan (78%)
- Magenta (0%)
- Yellow (0%)
- Black (34%)





- Cyan (85%)
- Magenta (34%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 34.500, 196.568 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, 34.500, 196.568 by changing the saturation by 10% instead.


 63, 34.500,
196.568


 63, 34.500,
196.568


 100, 34.500,
196.568


 53, 34.500,
196.568


 83, 34.500,
196.568

 43, 34.500,
196.568

 93, 34.500,
196.568

 33, 34.500,
196.568

 23, 34.500,
196.568

 13, 34.500,
196.568

 3, 34.500, 196.568

 0, 34.500, 196.568

■ 63, 34.500,
196.568

■ 63, 34.500,
196.568

■ 63, 35.900,
196.457

■ 63, 32.340,
196.737

■ 63, 36.654,
196.399

■ 64, 29.398,
196.971

■ 63, 36.801,
196.387

■ 64, 25.699,
197.270

■ 65, 21.299,
197.631

■ 66, 16.281,
198.052

■ 67, 10.741,
198.531

■ 68, 4.780, 199.095

■ 70, 1.508, 19.214

Harmonies

Complementary

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



63, 34.500, 196.568



38, 61.995, 32.683

Rectangle

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



63, 34.500, 196.568



63, 34.500, 246.568



63, 34.500, 16.568



63, 34.500, 66.568

Sweetspot

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



63, 34.500, 196.567



84, 17.007, 198.247



61, 79.394, 137.438



44, 11.612, 198.086



94, 0.011, 296.813



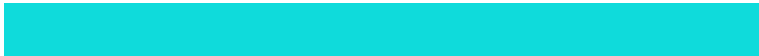
46, 0.006, 296.813

Same Dimension

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



63, 34.500, 196.567



80, 44.314, 196.413



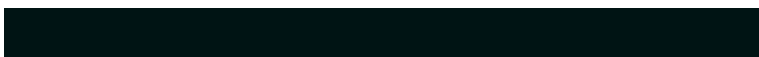
43, 41.122, 274.104



35, 3.516, 198.992



55, 33.387, 196.387



5, 6.572, 199.422

Inverse Universe

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



42, 77.598, 327.937



52, 101.808, 328.189



50, 50.498, 65.480



33, 6.429, 324.920



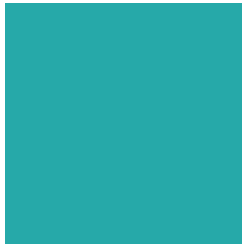
35, 76.993, 328.233



2, 11.673, 324.439

Previews

White Background



This preview shows how the CIELCh color 63, 34.500, 196.568 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 CIE LCh color 63, 34.500, 196.568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

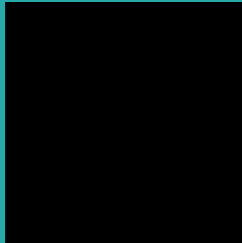
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 34.500, 196.568

Background



This preview shows how black text looks on a background with the CIELCh color 63, 34.500, 196.568.

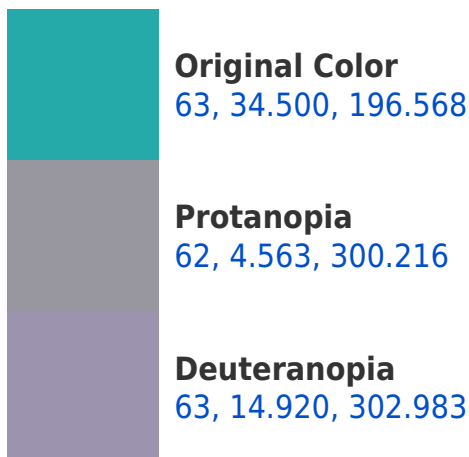


This preview shows how white text looks on a background with the CIELCh color 63, 34.500, 196.568.

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
63, 32.068, 211.243

Trichromacy



Original Color
63, 34.500, 196.568



Protanomaly
62, 16.373, 207.982



Deuteranomaly
62, 16.737, 231.029



Tritanomaly
63, 32.754, 205.746

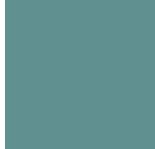
Monochromacy



Original Color
63, 34.500, 196.568



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 16.895, 197.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 34.500, 196.568 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(38, 169, 169)` looks like.

```
.text, #text, p{  
    color:rgb(38, 169, 169)  
}
```

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(38, 169, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 169, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 34.500, 196.568 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(38, 169, 169) }
```

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

```
.border{ border-color:rgb(38, 169, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 169, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 169, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 169, 169);  
box-shadow:4px 4px 4px 4px rgb(38, 169,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 34.500, 196.568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 169, 169) }
```

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

```
.background{ background-color: rgb(38, 169,  
169) }
```

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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