

Converting Colors

CIELCh(63, 34.551, 217.641)

Have a look what the booklet for
CIELCh(63, 34.551, 217.641)
contains.

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Color

CIELCh(63, 34.517, 218.085)

Conversions

Conversions Part 1

Format	Color
Hex	15A7BD
RGB	21, 167, 189
RGB Percent	8%, 65%, 74%
CMY	0.9181, 0.3440, 0.2577
CMYK	0.89, 0.12, 0.00, 0.26
HSL	188°, 80%, 41%
HSV	188°, 89%, 74%
XYZ	23.3945, 31.5869, 53.1735
YIQ	125.8540, -94.0780, -24.1100

Conversions

Conversions Part 2

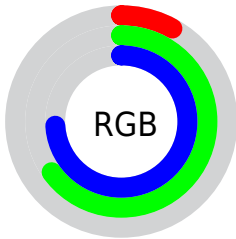
Format	Color
RYB	21, 99, 189
Decimal	1419197
CIELab	63.00, -27.17, -21.29
CIElCh	63, 34.517, 218.085
Yxy	31.5869, 0.2163, 0.2921
Android (android.graphics.Color)	4279609277 (0xFF15A7BD)
YUV	125.8540, 31.1310, -91.9570
Hunter-Lab	56.2022, -24.0523, -16.7533

Details

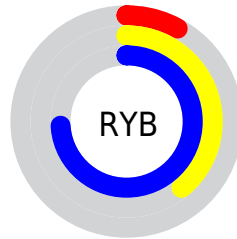
The CIELCh color **63, 34.517, 218.085** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **42, 73.884, 40.266**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 34.406, 218.326**, and **44, 27.316, 224.790** is the 20% darker color. If you saturate the color by 10%, you get **62, 34.992, 220.334**, and if you desaturate by 10%, it is **64, 33.423, 216.231**.

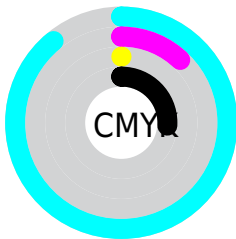
Distribution



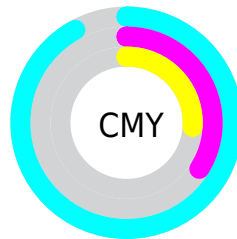
- Red (8%)
- Green (65%)
- Blue (74%)



- Red (8%)
- Yellow (39%)
- Blue (74%)



- Cyan (89%)
- Magenta (12%)
- Yellow (0%)
- Black (26%)





- Cyan (92%)
- Magenta (34%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 34.517, 218.085 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, 34.517, 218.085 by changing the saturation by 10% instead.


 63, 34.517,
218.085


 63, 34.517,
218.085


 100, 34.517,
218.085


 53, 34.517,
218.085


 83, 34.517,
218.085

 43, 34.517,
218.085


 93, 34.517,
218.085

 33, 34.517,
218.085

 23, 34.517,
218.085

 13, 34.517,
218.085

 3, 34.517, 218.085

 0, 34.517, 218.085

■ 63, 34.517,
218.085

■ 63, 34.517,
218.085

■ 62, 34.992,
220.334

■ 64, 33.423,
216.231

■ 62, 35.033,
220.574

■ 65, 31.556,
214.784

■ 66, 28.887,
213.691

■ 68, 25.440,
212.897

■ 69, 21.280,
212.351

■ 71, 16.494,
212.010

■ 73, 11.181,
211.840

■ 75, 5.438, 211.833

Harmonies

Complementary

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



63, 34.517, 218.085



42, 73.884, 40.266

Rectangle

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



63, 34.517, 218.085



63, 34.517, 268.085



63, 34.517, 38.085



63, 34.517, 88.085

Sweetspot

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



63, 34.516, 218.084



91, 19.218, 211.974



67, 88.748, 138.312



48, 12.883, 212.062



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



63, 34.516, 218.084



79, 42.794, 221.030



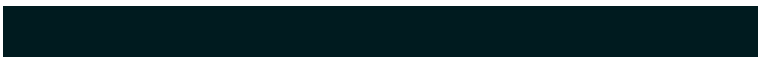
39, 63.458, 289.432



39, 3.427, 211.829



52, 30.686, 220.202



8, 9.904, 216.288

Inverse Universe

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



45, 81.756, 333.541



57, 101.757, 334.349



58, 62.185, 73.632



37, 6.460, 328.742



36, 73.071, 334.143



3, 18.884, 330.664

Previews

White Background



This preview shows how the CIE LCh color 63, 34.517, 218.085 looks on a white background.

Color Contrast Check

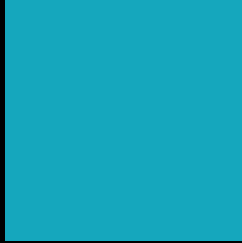
Large Text (above 18pt) WCAG AA × Fail

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, 34.517, 218.085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

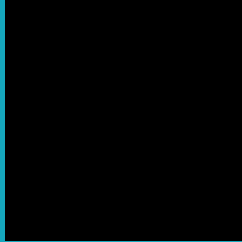
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 34.517, 218.085

Background



This preview shows how black text looks on a background with the CIELCh color 63, 34.517, 218.085.



This preview shows how white text looks on a background with the CIELCh color 63, 34.517, 218.085.

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, 34.465, 218.121

Protanopia
63, 15.725, 286.711

Deuteranopia
63, 24.670, 288.898

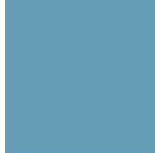


Tritanopia
63, 35.353, 209.647

Trichromacy



Original Color
63, 34.465, 218.121



Protanomaly
62, 22.144, 239.899



Deuteranomaly
62, 25.895, 250.255



Tritanomaly
63, 35.035, 212.718

Monochromacy



Original Color
63, 34.465, 218.121



Achromatopsia
53, 0.007, 296.813



Achromatomaly
55, 18.285, 212.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 34.517, 218.085 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(21, 167, 189)` looks like.

```
.text, #text, p{  
    color:rgb(21, 167, 189)  
}
```

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(21, 167, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 167, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 34.517, 218.085 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(21, 167, 189) }
```

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

```
.border{ border-color:rgb(21, 167, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 167, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 167, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 167, 189);  
box-shadow:4px 4px 4px 4px rgb(21, 167,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 34.517, 218.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 167, 189) }
```

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

```
.background{ background-color: rgb(21, 167,  
189) }
```

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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