

Converting Colors

CIELCh(63, 34.582, 231.163)

Have a look what the booklet for
CIELCh(63, 34.582, 231.163)
contains.

CIELCh(63, 34.507, 231.212)	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(63, 34.507, 231.212)

Conversions

Conversions Part 1

Format	Color
Hex	26A5C7
RGB	38, 165, 199
RGB Percent	15%, 65%, 78%
CMY	0.8521, 0.3515, 0.2181
CMYK	0.81, 0.17, 0.00, 0.22
HSL	193°, 68%, 46%
HSV	193°, 81%, 78%
XYZ	24.6601, 31.5869, 59.0560
YIQ	130.9030, -86.6060, -16.3500

Conversions

Conversions Part 2

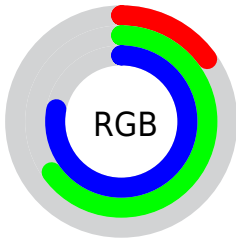
Format	Color
R _Y B	38, 109, 199
Decimal	2532807
CIE Lab	63.00, -21.62, -26.90
CIE LCh	63, 34.507, 231.212
Yxy	31.5869, 0.2139, 0.2739
Android (android.graphics.Color)	4280722887 (0xFF26A5C7)
YUV	130.9030, 33.5718, -81.4759
Hunter-Lab	56.2022, -20.0327, -22.9590

Details

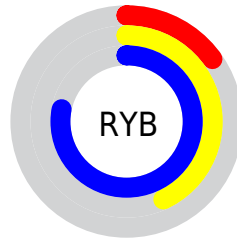
The CIELCh color **63, 34.507, 231.212** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **48, 67.295, 43.019**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 34.289, 230.742**, and **44, 29.138, 239.148** is the 20% darker color. If you saturate the color by 10%, you get **61, 35.874, 234.598**, and if you desaturate by 10%, it is **65, 32.494, 228.462**.

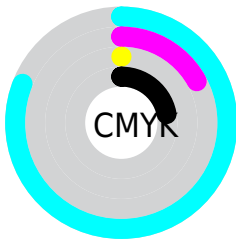
Distribution



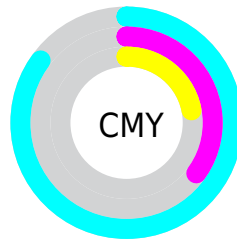
- Red (15%)
- Green (65%)
- Blue (78%)



- Red (15%)
- Yellow (43%)
- Blue (78%)



- Cyan (81%)
- Magenta (17%)
- Yellow (0%)
- Black (22%)




- Cyan (85%)
- Magenta (35%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 34.507, 231.212 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, 34.507, 231.212 by changing the saturation by 10% instead.


 63, 34.507,
231.212


 63, 34.507,
231.212


 100, 34.507,
231.212


 53, 34.507,
231.212


 83, 34.507,
231.212

 43, 34.507,
231.212

 93, 34.507,
231.212

 33, 34.507,
231.212

 23, 34.507,
231.212

 13, 34.507,
231.212

 3, 34.507, 231.212

 0, 34.507, 231.212

■ 63, 34.507,
231.212

■ 63, 34.507,
231.212

■ 61, 35.874,
234.598

■ 65, 32.494,
228.462

■ 60, 36.743,
238.063

■ 66, 29.768,
226.283

■ 68, 26.324,
224.590

■ 71, 22.209,
223.298

■ 73, 17.497,
222.331

■ 75, 12.277,
221.628

■ 78, 6.639, 221.152

■ 80, 0.666, 221.525

Harmonies

Complementary

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



63, 34.507, 231.212



48, 67.295, 43.019

Rectangle

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



63, 34.507, 231.212



63, 34.507, 281.212



63, 34.507, 51.212



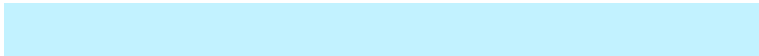
63, 34.507, 101.212

Sweetspot

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



63, 34.506, 231.212



93, 16.889, 221.831



71, 83.318, 141.475



48, 11.461, 222.086



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 34.506, 231.212



76, 43.998, 237.487



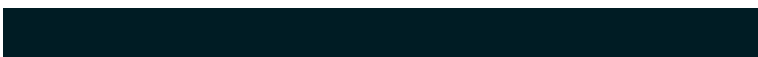
40, 68.456, 292.139



41, 3.405, 221.096



50, 31.610, 237.404



9, 11.142, 228.148

Inverse Universe

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



47, 77.977, 336.834



58, 97.843, 338.691



65, 62.108, 82.497



39, 6.378, 331.450



37, 70.427, 338.675



4, 22.241, 335.543

Previews

White Background



This preview shows how the CIELCh color 63, 34.507, 231.212 looks on a white background.

Color Contrast Check

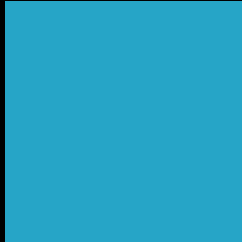
Large Text (above 18pt) WCAG AA × Fail

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, 34.507, 231.212 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, 34.507, 231.212

Background



This preview shows how black text looks on a background with the CIELCh color 63, 34.507, 231.212.



This preview shows how white text looks on a background with the CIELCh color 63, 34.507, 231.212.

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, 34.431, 231.302

Protanopia
63, 21.390, 285.139

Deuteranopia
63, 30.371, 286.092



Tritanopia
63, 35.353, 209.647

Trichromacy



Original Color
63, 34.431, 231.302



Protanomaly
62, 25.123, 252.574



Deuteranomaly
62, 30.033, 260.854



Tritanomaly
63, 34.742, 216.905

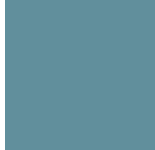
Monochromacy



Original Color
63, 34.431, 231.302



Achromatopsia
55, 0.007, 296.813



Achromatomaly
57, 16.971, 224.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 34.507, 231.212 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, 165, 199)` looks like.

```
.text, #text, p{  
    color:rgb(38, 165, 199)  
}
```

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, 165, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 165, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 34.507, 231.212 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, 165, 199) }
```

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

```
.border{ border-color:rgb(38, 165, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 165, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 165, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 165, 199);  
box-shadow:4px 4px 4px 4px rgb(38, 165,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 34.507, 231.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 165, 199) }
```

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

```
.background{ background-color: rgb(38, 165,  
199) }
```

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