

Converting Colors

CIELCh(63, 34.243, 226.913)

Have a look what the booklet for
CIELCh(63, 34.243, 226.913)
contains.

CIELCh(63, 34.243, 226.913)	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, 34.243, 226.913)

Conversions

Conversions Part 1

Format	Color
Hex	22A6C4
RGB	34, 166, 196
RGB Percent	13%, 65%, 77%
CMY	0.8668, 0.3491, 0.2315
CMYK	0.83, 0.15, 0.00, 0.23
HSL	191°, 70%, 45%
HSV	191°, 83%, 77%
XYZ	24.2506, 31.5869, 57.0279
YIQ	129.9520, -88.3020, -18.6540

Conversions

Conversions Part 2

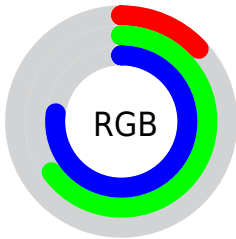
Format	Color
RYP	34, 107, 196
Decimal	2270916
CIELab	63.00, -23.39, -25.01
CIElCh	63, 34.243, 226.913
Yxy	31.5869, 0.2149, 0.2799
Android (android.graphics.Color)	4280460996 (0xFF22A6C4)
YUV	129.9520, 32.5617, -84.1499
Hunter-Lab	56.2022, -21.3334, -20.8195

Details

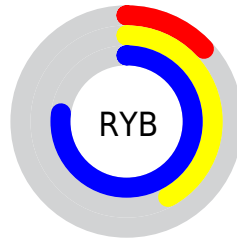
The CIELCh color **63, 34.243, 226.913** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **46, 68.677, 41.805**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 34.271, 227.529**, and **44, 28.327, 234.055** is the 20% darker color. If you saturate the color by 10%, you get **62, 35.316, 229.961**, and if you desaturate by 10%, it is **64, 32.493, 224.452**.

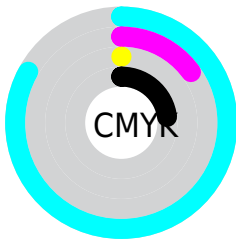
Distribution



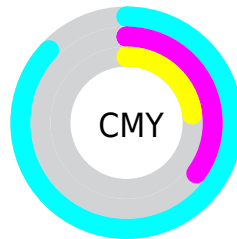
- Red (13%)
- Green (65%)
- Blue (77%)



- Red (13%)
- Yellow (42%)
- Blue (77%)



- Cyan (83%)
- Magenta (15%)
- Yellow (0%)
- Black (23%)





- Cyan (87%)
- Magenta (35%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 34.243, 226.913 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, 34.243, 226.913 by changing the saturation by 10% instead.


 63, 34.243,
226.913


 63, 34.243,
226.913


 100, 34.243,
226.913


 53, 34.243,
226.913


 83, 34.243,
226.913

 43, 34.243,
226.913

 93, 34.243,
226.913

 33, 34.243,
226.913

 23, 34.243,
226.913

 13, 34.243,
226.913

 3, 34.243, 226.913

 0, 34.243, 226.913

■ 63, 34.243,
226.913

■ 63, 34.243,
226.913

■ 62, 35.316,
229.961

■ 64, 32.493,
224.452

■ 61, 35.836,
232.487

■ 66, 29.999,
222.515

■ 68, 26.755,
221.025

■ 70, 22.806,
219.904

■ 72, 18.228,
219.083

■ 74, 13.111,
218.507

■ 76, 7.549, 218.137

■ 78, 1.631, 218.144

Harmonies

Complementary

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



63, 34.243, 226.913



46, 68.677, 41.805

Rectangle

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



63, 34.243, 226.913



63, 34.243, 276.913



63, 34.243, 46.913



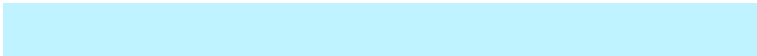
63, 34.243, 96.913

Sweetspot

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



63, 34.242, 226.913



93, 17.742, 218.642



70, 84.158, 140.772



49, 11.952, 218.843



0, 0.000, 0.000



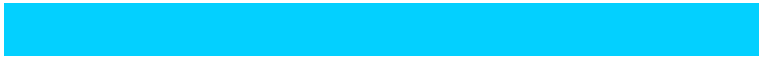
53, 0.007, 296.813

Same Dimension

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



63, 34.242, 226.913



78, 43.657, 232.759



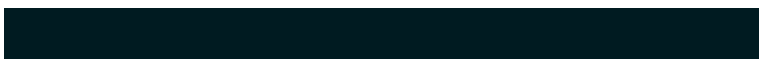
39, 67.201, 291.643



40, 3.377, 218.064



50, 30.903, 231.898



8, 10.454, 224.545

Inverse Universe

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



46, 78.895, 335.711



58, 99.756, 337.381



63, 61.730, 80.804



38, 6.355, 330.558



36, 70.936, 337.152



4, 20.319, 333.795

Previews

White Background



This preview shows how the CIE LCh color 63, 34.243, 226.913 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, 34.243, 226.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

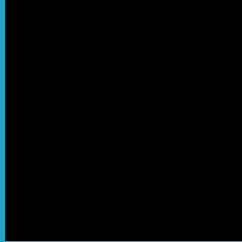
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 34.243, 226.913

Background



This preview shows how black text looks on a background with the CIELCh color 63, 34.243, 226.913.

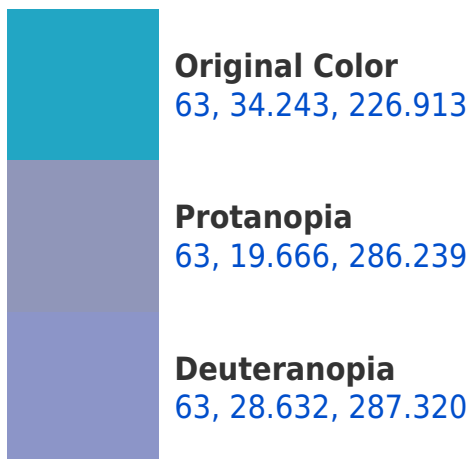


This preview shows how white text looks on a background with the CIELCh color 63, 34.243, 226.913.

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, 35.353, 209.647

Trichromacy



Original Color
63, 34.243, 226.913



Protanomaly
62, 23.970, 249.547



Deuteranomaly
62, 28.722, 258.629



Tritanomaly
63, 34.784, 215.865

Monochromacy



Original Color
63, 34.243, 226.913



Achromatopsia
54, 0.007, 296.813



Achromatomaly
56, 17.199, 219.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 34.243, 226.913 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(34, 166, 196)` looks like.

```
.text, #text, p{  
    color:rgb(34, 166, 196)  
}
```

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(34, 166, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 166, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 34.243, 226.913 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(34, 166, 196) }
```

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

```
.border{ border-color:rgb(34, 166, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 166, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 166, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 166, 196);  
box-shadow:4px 4px 4px 4px rgb(34, 166,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 34.243, 226.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 166, 196) }
```

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

```
.background{ background-color: rgb(34, 166,  
196) }
```

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