

Converting Colors

CIELCh(63, 14.524, 252.967)

Have a look what the booklet for
CIELCh(63, 14.524, 252.967)
contains.

CIELCh(63, 14.522, 253.235)	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, 14.522, 253.235)

Conversions

Conversions Part 1

Format	Color
Hex	829CB1
RGB	130, 156, 177
RGB Percent	51%, 61%, 69%
CMY	0.4911, 0.3892, 0.3069
CMYK	0.27, 0.12, 0.00, 0.31
HSL	207°, 23%, 60%
HSV	207°, 27%, 69%
XYZ	28.9280, 31.5869, 46.0377
YIQ	150.6200, -22.2370, 1.0190

Conversions

Conversions Part 2

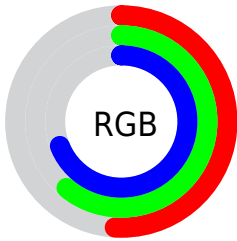
Format	Color
RYB	130, 147, 177
Decimal	8559793
CIELab	63.00, -4.19, -13.90
CIElCh	63, 14.522, 253.235
Yxy	31.5869, 0.2715, 0.2964
Android (android.graphics.Color)	4286749873 (0xFF829CB1)
YUV	150.6200, 13.0053, -18.0837
Hunter-Lab	56.2022, -6.4776, -9.2254

Details

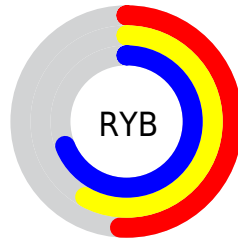
The CIELCh color $63, 14.522, 253.235$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $64, 15.981, 66.437$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 14.723, 255.029$, and $43, 14.371, 251.828$ is the 20% darker color. If you saturate the color by 10%, you get $60, 19.721, 255.185$, and if you desaturate by 10%, it is $66, 9.162, 251.613$.

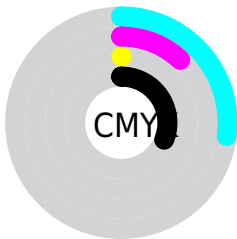
Distribution



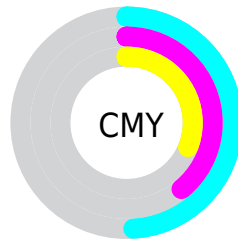
- Red (51%)
- Green (61%)
- Blue (69%)



- Red (51%)
- Yellow (58%)
- Blue (69%)



- Cyan (27%)
- Magenta (12%)
- Yellow (0%)
- Black (31%)





- Cyan (49%)
- Magenta (39%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 14.522, 253.235 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, 14.522, 253.235 by changing the saturation by 10% instead.


 63, 14.522,
253.235


 63, 14.522,
253.235


 100, 14.522,
253.235


 53, 14.522,
253.235


 83, 14.522,
253.235

 43, 14.522,
253.235

 93, 14.522,
253.235

 33, 14.522,
253.235

 23, 14.522,
253.235

 13, 14.522,
253.235

 3, 14.522, 253.235

 0, 14.522, 253.235

■ 63, 14.522,
253.235

■ 63, 14.522,
253.235

■ 60, 19.721,
255.185

■ 66, 9.162, 251.613

■ 56, 24.734,
257.537

■ 70, 3.675, 250.311

■ 53, 29.547,
260.352

■ 73, 1.910, 68.871

■ 50, 34.169,
263.683

■ 77, 7.562, 68.051

■ 47, 38.644,
267.551

■ 80, 13.257, 67.251

■ 44, 43.053,
271.915

■ 84, 18.973, 66.555

■ 42, 47.512,
276.616

■ 87, 24.693, 65.952

■ 41, 49.089,

■ 89, 26.227, 75.532

■ 91, 28.148, 84.889

Harmonies

Complementary

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



63, 14.522, 253.235



64, 15.981, 66.437

Rectangle

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



63, 14.522, 253.235



63, 14.522, 303.235



63, 14.522, 73.235



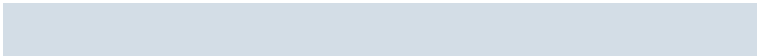
63, 14.522, 123.235

Sweetspot

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



63, 14.521, 253.231



88, 5.511, 250.488



68, 22.942, 157.951



46, 3.907, 250.668



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



63, 14.521, 253.231



78, 21.448, 254.352



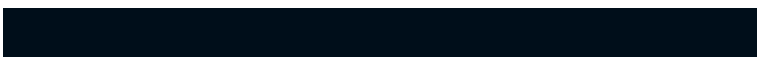
57, 25.070, 290.633



36, 3.177, 250.632



35, 43.684, 277.553



4, 8.404, 261.404

Inverse Universe

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



60, 23.271, 343.130



73, 34.675, 343.728



70, 23.761, 104.667



35, 4.932, 341.575



33, 58.751, 356.454



2, 10.953, 346.883

Previews

White Background



This preview shows how the CIELCh color 63, 14.522, 253.235 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, 14.522, 253.235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

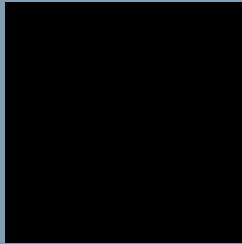
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

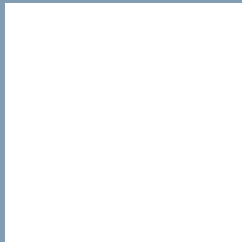
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 14.522, 253.235

Background



This preview shows how black text looks on a background with the CIELCh color 63, 14.522, 253.235.



This preview shows how white text looks on a background with the CIELCh color 63, 14.522, 253.235.

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, 14.522, 253.235

Protanopia

63, 12.901, 286.777

Deuteranopia

63, 17.006, 299.246



Tritanopia
63, 12.309, 235.098

Trichromacy



Original Color
63, 14.522, 253.235

Protanomaly
63, 12.910, 272.272

Deuteranomaly
63, 15.217, 283.800

Tritanomaly
63, 12.672, 240.427

Monochromacy



Original Color
63, 14.522, 253.235

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 5.533, 253.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 14.522, 253.235 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(130, 156, 177)` looks like.

```
.text, #text, p{  
    color:rgb(130, 156, 177)  
}
```

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(130, 156, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 156, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 14.522, 253.235 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(130, 156, 177) }
```

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

```
.border{ border-color:rgb(130, 156, 177) }
```

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

Here you see how a box with a 4 pixel rgb(130, 156, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 156, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 156, 177);  
box-shadow:4px 4px 4px 4px rgb(130, 156,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 14.522, 253.235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 156, 177) }
```

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

```
.background{ background-color: rgb(130,  
156, 177) }
```

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