

Converting Colors

CIELCh(64, 25.358, 284.562)

Have a look what the booklet for
CIELCh(64, 25.358, 284.562)
contains.

CIELCh(64, 25.815, 284.787)	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(64, 25.815, 284.787)

Conversions

Conversions Part 1

Format	Color
Hex	8E99C7
RGB	142, 153, 199
RGB Percent	56%, 60%, 78%
CMY	0.4419, 0.3988, 0.2183
CMYK	0.29, 0.23, 0.00, 0.22
HSL	228°, 34%, 67%
HSV	228°, 29%, 78%
XYZ	32.9985, 32.8017, 58.8250
YIQ	154.9550, -21.3220, 11.9740

Conversions

Conversions Part 2

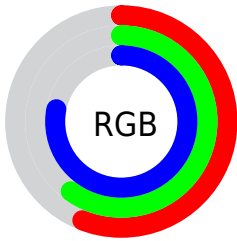
Format	Color
R_{YB}	142, 151, 199
Decimal	9345479
CIE _{Lab}	64.00, 6.59, -24.96
CIE _{LCh}	64, 25.815, 284.787
Yxy	32.8017, 0.2648, 0.2632
Android (android.graphics.Color)	4287535559 (0xFF8E99C7)
YUV	154.9550, 21.7142, -11.3615
Hunter-Lab	57.2727, 2.6179, -20.8060

Details

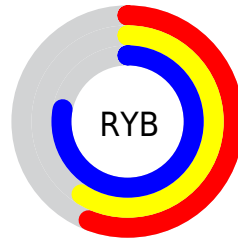
The CIELCh color $64, 25.815, 284.787$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $76, 24.938, 97.526$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 25.460, 285.018$, and $44, 25.942, 284.888$ is the 20% darker color. If you saturate the color by 10%, you get $58, 35.401, 286.637$, and if you desaturate by 10%, it is $70, 16.535, 283.204$.

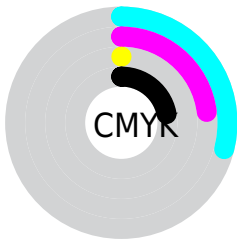
Distribution



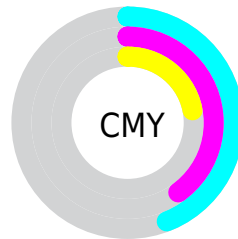
- Red (56%)
- Green (60%)
- Blue (78%)



- Red (56%)
- Yellow (59%)
- Blue (78%)



- Cyan (29%)
- Magenta (23%)
- Yellow (0%)
- Black (22%)





- Cyan (44%)
- Magenta (40%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 25.815, 284.787 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 64, 25.815, 284.787 by changing the saturation by 10% instead.

 64, 25.815,
284.787

 64, 25.815,
284.787


 100, 25.815,
284.787


 54, 25.815,
284.787


 84, 25.815,
284.787

 44, 25.815,
284.787


 94, 25.815,
284.787

 34, 25.815,
284.787

 24, 25.815,
284.787

 14, 25.815,
284.787

 4, 25.815, 284.787

 0, 25.815, 284.787

■ 64, 25.815,
284.787

■ 64, 25.815,
284.787

■ 58, 35.401,
286.637

■ 70, 16.535,
283.204

■ 53, 45.326,
288.787

■ 75, 7.538, 281.858

■ 47, 55.610,
291.250

■ 81, 1.197, 100.546

■ 42, 66.229,
293.997

■ 87, 9.688, 99.656

■ 37, 77.033,
296.932

■ 97, 25.652,
103.844

■ 32, 87.611,
299.863

■ 99, 28.069,
108.045

■ 29, 97.182,
302.490

■ 28, 98.393,

Harmonies

Complementary

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



64, 25.815, 284.787



76, 24.938, 97.526

Rectangle

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



64, 25.815, 284.787



64, 25.815, 334.787



64, 25.815, 104.787



64, 25.815, 154.787

Sweetspot

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



64, 25.814, 284.786



94, 9.640, 281.923



76, 20.811, 180.619



49, 6.712, 282.110



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 25.814, 284.786



76, 37.829, 285.842



63, 32.641, 303.721



39, 4.966, 281.955



23, 83.783, 302.429



2, 18.642, 286.232

Inverse Universe

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



65, 23.384, 6.913



78, 34.366, 7.794



78, 30.839, 120.149



39, 4.412, 4.597



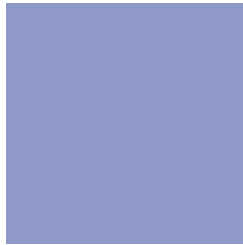
34, 66.536, 29.428



3, 16.162, 9.513

Previews

White Background



This preview shows how the CIELCh color 64, 25.815, 284.787 looks on a white background.

Color Contrast Check

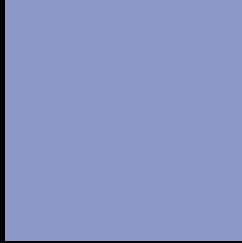
Large Text (above 18pt) WCAG AA × Fail

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 64, 25.815, 284.787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

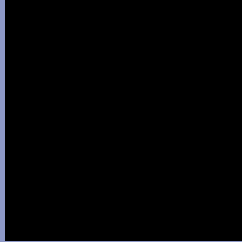
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 25.815, 284.787

Background



This preview shows how black text looks on a background with the CIELCh color 64, 25.815, 284.787.



This preview shows how white text looks on a background with the CIELCh color 64, 25.815, 284.787.

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

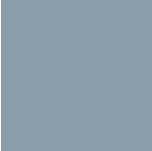
64, 25.815, 284.787

Protanopia

64, 25.780, 285.499

Deuteranopia

64, 26.813, 288.734



Tritanopia
64, 10.506, 242.768

Trichromacy



Original Color
64, 25.815, 284.787

Protanomaly
64, 25.780, 285.499

Deuteranomaly
64, 26.832, 288.039

Tritanomaly
64, 15.096, 267.239

Monochromacy



Original Color
64, 25.815, 284.787

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 9.572, 282.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 25.815, 284.787 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(142, 153, 199)` looks like.

```
.text, #text, p{  
    color:rgb(142, 153, 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(142, 153, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 153, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 25.815, 284.787 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(142, 153, 199) }
```

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

```
.border{ border-color:rgb(142, 153, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 153, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 153, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 153, 199);  
box-shadow:4px 4px 4px 4px rgb(142, 153,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 25.815, 284.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 153, 199) }
```

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

```
.background{ background-color: rgb(142,  
153, 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