

Converting Colors

CIELCh(65, 8.012, 315.784)

Have a look what the booklet for
CIELCh(65, 8.012, 315.784) contains.

CIELCh(65, 8.021, 315.786)	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(65, 8.021, 315.786)

Conversions

Conversions Part 1

Format	Color
Hex	A49BA8
RGB	164, 155, 168
RGB Percent	64%, 61%, 66%
CMY	0.3578, 0.3931, 0.3421
CMYK	0.02, 0.08, 0.00, 0.34
HSL	282°, 7%, 63%
HSV	282°, 8%, 66%
XYZ	33.9859, 34.0472, 41.7067
YIQ	159.1730, 1.1910, 5.9510

Conversions

Conversions Part 2

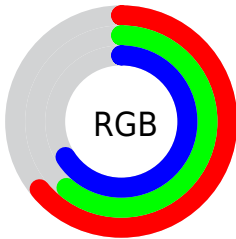
Format	Color
RYB	164, 155, 168
Decimal	10787752
CIELab	65.00, 5.75, -5.59
CIELCh	65, 8.021, 315.786
Yxy	34.0472, 0.3097, 0.3103
Android (android.graphics.Color)	4288977832 (0xFFA49BA8)
YUV	159.1730, 4.3517, 4.2333
Hunter-Lab	58.3500, 1.8547, -1.5336

Details

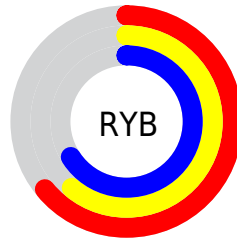
The CIELCh color $65, 8.021, 315.786$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 7.960, 135.185$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 8.231, 316.422$, and $45, 7.887, 315.063$ is the 20% darker color. If you saturate the color by 10%, you get $60, 18.557, 316.218$, and if you desaturate by 10%, it is $70, 2.296, 135.468$.

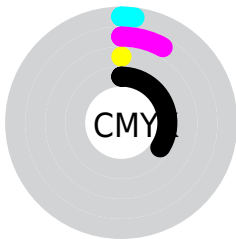
Distribution



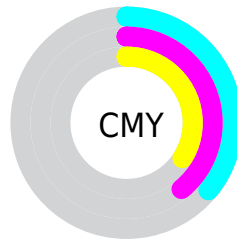
- Red (64%)
- Green (61%)
- Blue (66%)



- Red (64%)
- Yellow (61%)
- Blue (66%)



- Cyan (2%)
- Magenta (8%)
- Yellow (0%)
- Black (34%)



- Cyan (36%)
- Magenta (39%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 8.021, 315.786 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 65, 8.021, 315.786 by changing the saturation by 10% instead.

■ 65, 8.021, 315.786

■ 65, 8.021, 315.786

■ 100, 8.021,
315.786

■ 55, 8.021, 315.786

■ 85, 8.021, 315.786

■ 45, 8.021, 315.786

■ 95, 8.021, 315.786

■ 35, 8.021, 315.786

■ 25, 8.021, 315.786

■ 15, 8.021, 315.786

■ 5, 8.021, 315.786

■ 0, 8.021, 315.786

■ 65, 8.021, 315.786

■ 65, 8.021, 315.786

■ 60, 18.557,

■ 70, 2.296, 135.468

316.218

75, 12.348,
135.034

55, 29.245,
316.652

80, 22.119,
134.679

51, 39.954,
317.076

85, 31.606,
134.358

46, 50.486,
317.465

90, 40.812,
134.067

42, 60.535,
317.784

94, 49.508,
133.768

39, 69.684,
317.985

95, 48.648,
131.915

35, 77.412,
318.007

95, 47.836,
129.966

33, 83.189,
317.787

95, 47.076,
127.922

31, 86.851,
317.300

Harmonies

Complementary

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



65, 8.021, 315.786



68, 7.960, 135.185

Rectangle

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



65, 8.021, 315.786



65, 8.021, 5.786



65, 8.021, 135.786



65, 8.021, 185.786

Sweetspot

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



65, 8.019, 315.784



86, 2.565, 315.496



65, 5.135, 273.445



46, 1.456, 315.487



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



65, 8.019, 315.784



82, 11.605, 315.846



65, 7.721, 330.384



33, 5.884, 315.852



27, 79.814, 317.287



1, 10.433, 313.038

Inverse Universe

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



65, 5.492, 356.064



82, 7.958, 356.214



68, 7.698, 149.504



33, 4.035, 356.227



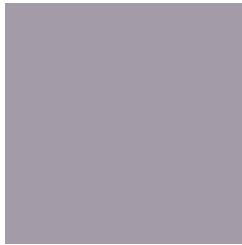
31, 57.899, 19.309



2, 7.075, 358.436

Previews

White Background



This preview shows how the CIELCh color 65, 8.021, 315.786 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 65, 8.021, 315.786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

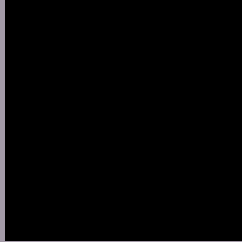
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

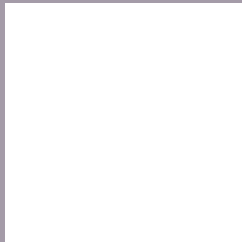
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 8.021, 315.786

Background



This preview shows how black text looks on a background with the CIELCh color 65, 8.021, 315.786.

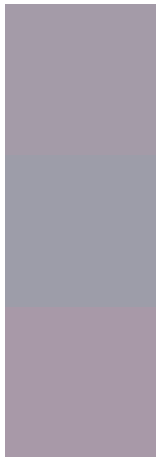


This preview shows how white text looks on a background with the CIELCh color 65, 8.021, 315.786.

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


65, 8.021, 315.786

Protanopia

65, 6.675, 290.891

Deuteranopia

65, 10.127, 324.900



Tritanopia
65, 7.524, 317.572

Trichromacy



Original Color
65, 8.021, 315.786

Protanomaly
65, 7.339, 299.675

Deuteranomaly
65, 9.047, 320.850

Tritanomaly
65, 7.524, 317.572

Monochromacy



Original Color
65, 8.021, 315.786

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 3.188, 318.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 8.021, 315.786 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(164, 155, 168)` looks like.

```
.text, #text, p{  
    color:rgb(164, 155, 168)  
}
```

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(164, 155, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 155, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 8.021, 315.786 is called "border". The border property can be set on classes, ids or directly on the HTML element.

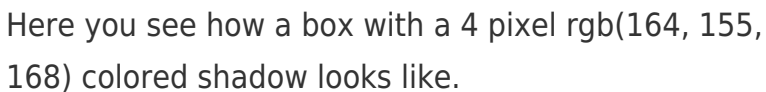
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 155, 168) }
```

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

```
.border{ border-color:rgb(164, 155, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(164, 155, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 155, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 155, 168); box-shadow:4px 4px 4px 4px rgb(164, 155, 168) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 8.021, 315.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 155, 168) }
```

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

```
.background{ background-color: rgb(164,  
155, 168) }
```

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