

Converting Colors

CIELCh(65, 16.008, 295.552)

Have a look what the booklet for
CIELCh(65, 16.008, 295.552)
contains.

CIELCh(65, 15.645, 295.733)	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, 15.645, 295.733)

Conversions

Conversions Part 1

Format	Color
Hex	9E9BB7
RGB	158, 155, 183
RGB Percent	62%, 61%, 72%
CMY	0.3811, 0.3928, 0.2831
CMYK	0.14, 0.15, 0.00, 0.28
HSL	246°, 16%, 66%
HSV	246°, 15%, 72%
XYZ	34.2866, 34.0472, 49.4656
YIQ	159.0890, -7.2000, 9.3440

Conversions

Conversions Part 2

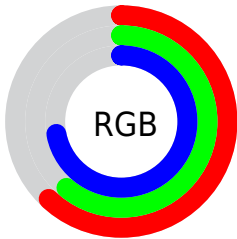
Format	Color
RYB	158, 155, 183
Decimal	10394551
CIELab	65.00, 6.79, -14.09
CIElCh	65, 15.645, 295.733
Yxy	34.0472, 0.2911, 0.2890
Android (android.graphics.Color)	4288584631 (0xFF9E9BB7)
YUV	159.0890, 11.7881, -0.9551
Hunter-Lab	58.3500, 2.7747, -9.4176

Details

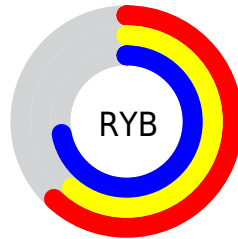
The CIELCh color $65, 15.645, 295.733$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $73, 15.120, 113.168$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 15.890, 296.457$, and $45, 15.574, 295.074$ is the 20% darker color. If you saturate the color by 10%, you get $59, 26.382, 296.795$, and if you desaturate by 10%, it is $71, 5.326, 294.819$.

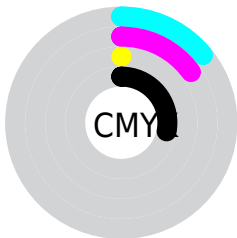
Distribution



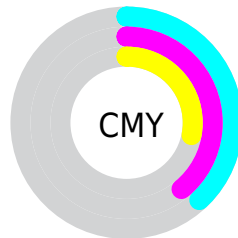
- Red (62%)
- Green (61%)
- Blue (72%)



- Red (62%)
- Yellow (61%)
- Blue (72%)



- Cyan (14%)
- Magenta (15%)
- Yellow (0%)
- Black (28%)



- Cyan (38%)
- Magenta (39%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 15.645, 295.733 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, 15.645, 295.733 by changing the saturation by 10% instead.

■ 65, 15.645,
295.733

■ 65, 15.645,
295.733

■ 100, 15.645,
295.733

■ 55, 15.645,
295.733

■ 85, 15.645,
295.733

■ 45, 15.645,
295.733

■ 95, 15.645,
295.733

■ 35, 15.645,
295.733

■ 25, 15.645,
295.733

■ 15, 15.645,
295.733

■ 5, 15.645, 295.733

■ 0, 15.645, 295.733

65, 15.645,
295.733

65, 15.645,
295.733

59, 26.382,
296.795

71, 5.326, 294.819

53, 37.557,
298.024

77, 4.596, 114.027

47, 49.154,
299.426

83, 14.148,
113.359

41, 61.085,
300.983

89, 23.357,
112.784

35, 73.091,
302.630

95, 32.246,
112.291

30, 84.577,
304.232

99, 36.258,
107.414

26, 94.435,
305.561

23, 101.186,

306.349

■ 22, 103.611,
306.652

Harmonies

Complementary

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



65, 15.645, 295.733



73, 15.120, 113.168

Rectangle

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



65, 15.645, 295.733



65, 15.645, 345.733



65, 15.645, 115.733



65, 15.645, 165.733

Sweetspot

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



65, 15.643, 295.731



90, 6.193, 294.800



72, 9.097, 208.438



48, 4.264, 294.859



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



65, 15.643, 295.731



80, 22.856, 296.032



66, 16.770, 313.122



36, 5.742, 295.169



18, 91.880, 306.707



1, 15.419, 293.395

Inverse Universe

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



67, 17.345, 328.354



83, 25.218, 328.531



72, 16.502, 131.836



36, 6.420, 327.997



36, 73.536, 332.942



3, 16.872, 329.260

Previews

White Background



This preview shows how the CIELCh color 65, 15.645, 295.733 looks on a white background.

Color Contrast Check

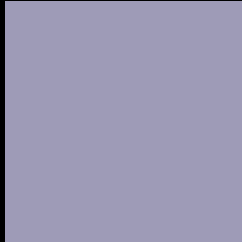
Large Text (above 18pt) WCAG AA × Fail

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, 15.645, 295.733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

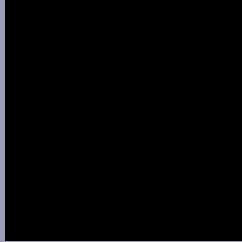
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 15.645, 295.733

Background



This preview shows how black text looks on a background with the CIELCh color 65, 15.645, 295.733.



This preview shows how white text looks on a background with the CIELCh color 65, 15.645, 295.733.

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, 15.645, 295.733

Protanopia

65, 15.593, 287.921

Deuteranopia

65, 16.389, 300.663



Tritanopia
65, 7.235, 288.028

Trichromacy



Original Color
65, 15.645, 295.733

Protanomaly
65, 15.574, 290.509

Deuteranomaly
65, 16.335, 299.415

Tritanomaly
65, 10.588, 293.268

Monochromacy



Original Color
65, 15.645, 295.733

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 6.175, 297.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 15.645, 295.733 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(158, 155, 183)` looks like.

```
.text, #text, p{  
    color:rgb(158, 155, 183)  
}
```

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(158, 155, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 155, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 15.645, 295.733 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(158, 155, 183) }
```

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

```
.border{ border-color:rgb(158, 155, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 155, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 155, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 155, 183);  
box-shadow:4px 4px 4px 4px rgb(158, 155,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 15.645, 295.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 155, 183) }
```

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

```
.background{ background-color: rgb(158,  
155, 183) }
```

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