

Converting Colors

CIELCh(80, 9.618, 255.625)

Have a look what the booklet for
CIELCh(80, 9.618, 255.625) contains.

CIELCh(80, 9.618, 255.625)	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(80, 9.618, 255.625)

Conversions

Conversions Part 1

Format	Color
Hex	B8C8D7
RGB	184, 200, 215
RGB Percent	72%, 78%, 84%
CMY	0.2767, 0.2140, 0.1551
CMYK	0.14, 0.07, 0.00, 0.16
HSL	209°, 28%, 78%
HSV	209°, 14%, 84%
XYZ	52.9466, 56.6813, 72.7359
YIQ	196.9260, -14.3510, 1.2730

Conversions

Conversions Part 2

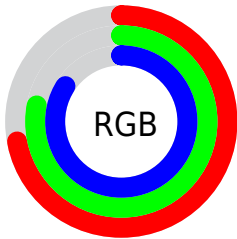
Format	Color
RYB	184, 195, 215
Decimal	12110039
CIELab	80.00, -2.39, -9.32
CIELCh	80, 9.618, 255.625
Yxy	56.6813, 0.2903, 0.3108
Android (android.graphics.Color)	4290300119 (0xFFB8C8D7)
YUV	196.9260, 8.9105, -11.3361
Hunter-Lab	75.2870, -6.2197, -4.5801

Details

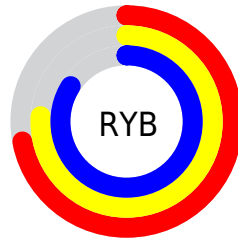
The CIELCh color $80, 9.618, 255.625$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $81, 10.011, 71.877$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 5.163, 199.206$, and $60, 9.475, 256.011$ is the 20% darker color. If you saturate the color by 10%, you get $76, 16.178, 257.253$, and if you desaturate by 10%, it is $84, 2.957, 254.319$.

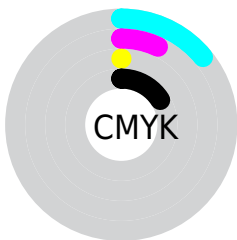
Distribution



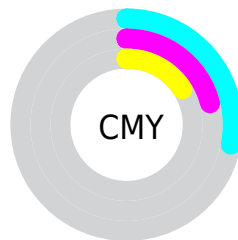
- Red (72%)
- Green (78%)
- Blue (84%)



- Red (72%)
- Yellow (76%)
- Blue (84%)



- Cyan (14%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)



- Cyan (28%)
- Magenta (21%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 9.618, 255.625 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 80, 9.618, 255.625 by changing the saturation by 10% instead.

■ 80, 9.618, 255.625

■ 80, 9.618, 255.625

■ 100, 9.618,
255.625

■ 70, 9.618, 255.625

■ 60, 9.618, 255.625

■ 50, 9.618, 255.625

■ 40, 9.618, 255.625

■ 30, 9.618, 255.625

■ 20, 9.618, 255.625

■ 10, 9.618, 255.625

■ 0, 9.618, 255.625

■ 80, 9.618, 255.625

■ 80, 9.618, 255.625

76, 16.178,
257.253

84, 2.957, 254.319

72, 22.610,
259.221

89, 3.771, 72.901

68, 28.890,
261.578

93, 10.541, 71.970

64, 35.008,
264.383

96, 14.428, 89.784

60, 40.979,
267.686

98, 18.812,
105.986

56, 46.855,
271.503

99, 19.995,
108.664

52, 52.727,
275.784

49, 58.708,
280.389

47, 62.166,

Harmonies

Complementary

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



80, 9.618, 255.625



81, 10.011, 71.877

Rectangle

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



80, 9.618, 255.625



80, 9.618, 305.625



80, 9.618, 75.625



80, 9.618, 125.625

Sweetspot

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



80, 9.617, 255.615



98, 3.088, 254.286



84, 14.086, 161.576



52, 2.193, 254.359



0, 0.000, 0.000



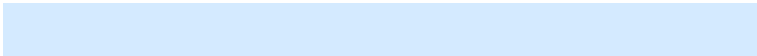
53, 0.007, 296.813

Same Dimension

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



80, 9.617, 255.615



92, 12.998, 256.038



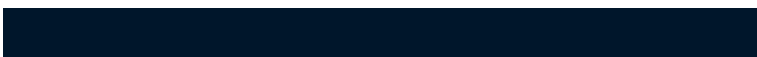
76, 16.438, 291.079



43, 3.787, 254.915



38, 51.492, 282.144



7, 16.794, 271.292

Inverse Universe

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



78, 14.323, 343.974



89, 19.448, 344.233



85, 15.924, 108.100



42, 5.590, 343.520



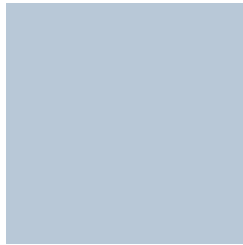
37, 63.001, 0.210



5, 23.698, 353.170

Previews

White Background



This preview shows how the CIELCh color 80, 9.618, 255.625 looks on a white background.

Color Contrast Check

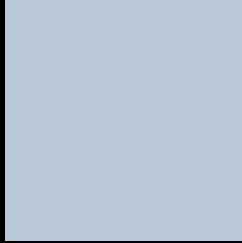
Large Text (above 18pt) WCAG AA × Fail

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 80, 9.618, 255.625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

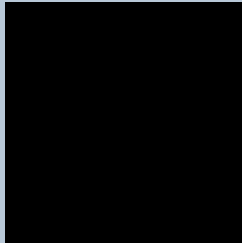
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

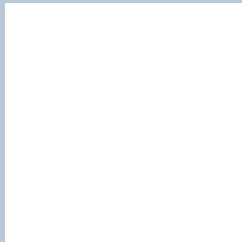
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 9.618, 255.625

Background



This preview shows how black text looks on a background with the CIELCh color 80, 9.618, 255.625.



This preview shows how white text looks on a background with the CIELCh color 80, 9.618, 255.625.

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

80, 9.618, 255.625

Protanopia

80, 8.533, 290.946

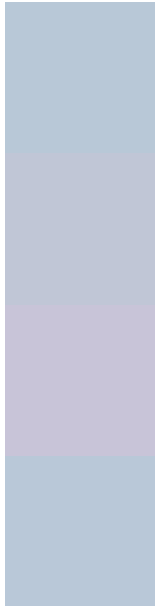
Deuteranopia

80, 14.080, 315.118



Tritanopia
80, 9.875, 259.153

Trichromacy



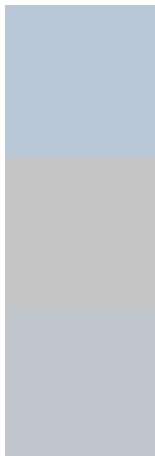
Original Color
80, 9.618, 255.625

Protanomaly
80, 8.745, 277.000

Deuteranomaly
80, 10.785, 298.652

Tritanomaly
80, 9.875, 259.153

Monochromacy



Original Color
80, 9.618, 255.625

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 3.828, 256.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 9.618, 255.625 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(184, 200, 215)` looks like.

```
.text, #text, p{  
    color:rgb(184, 200, 215)  
}
```

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(184, 200, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 200, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 9.618, 255.625 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(184, 200, 215) }
```

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

```
.border{ border-color:rgb(184, 200, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 200, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 200, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 200, 215);  
box-shadow:4px 4px 4px 4px rgb(184, 200,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 9.618, 255.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 200, 215) }
```

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

```
.background{ background-color: rgb(184,  
200, 215) }
```

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