

Converting Colors

CIELCh(86, 9.500, 118.615)

Have a look what the booklet for
CIELCh(86, 9.500, 118.615) contains.

CIELCh(86, 9.528, 118.312)	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(86, 9.528, 118.312)

Conversions

Conversions Part 1

Format	Color
Hex	D5D9C7
RGB	213, 217, 199
RGB Percent	84%, 85%, 78%
CMY	0.1642, 0.1485, 0.2191
CMYK	0.02, 0.00, 0.08, 0.15
HSL	73°, 19%, 82%
HSV	73°, 8%, 85%
XYZ	62.6476, 67.9871, 63.9309
YIQ	213.7520, 3.3940, -6.4460

Conversions

Conversions Part 2

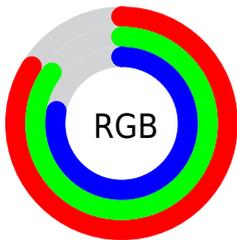
Format	Color
RYB	199, 217, 203
Decimal	14014919
CIELab	86.00, -4.52, 8.39
CIELCh	86, 9.528, 118.312
Yxy	67.9871, 0.3220, 0.3494
Android (android.graphics.Color)	4292204999 (0xFFD5D9C7)
YUV	213.7520, -7.2727, -0.6595
Hunter-Lab	82.4543, -8.6733, 11.7475

Details

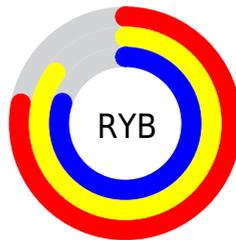
The CIELCh color $86, 9.528, 118.312$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $81, 9.705, 299.415$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $66, 9.516, 118.697$ is the 20% darker color. If you saturate the color by 10%, you get $85, 20.988, 117.654$, and if you desaturate by 10%, it is $87, 1.976, 298.952$.

Distribution



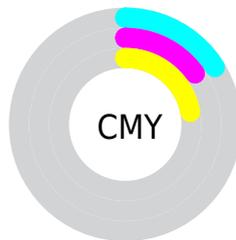
- Red (84%)
- Green (85%)
- Blue (78%)



- Red (78%)
- Yellow (85%)
- Blue (80%)



- Cyan (2%)
- Magenta (0%)
- Yellow (8%)
- Black (15%)



- Cyan (16%)
- Magenta (15%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 9.528, 118.312 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 86, 9.528, 118.312 by changing the saturation by 10% instead.

■ 86, 9.528, 118.312

■ 86, 9.528, 118.312

■ 100, 9.528,
118.312

■ 76, 9.528, 118.312

■ 66, 9.528, 118.312

■ 56, 9.528, 118.312

■ 46, 9.528, 118.312

■ 36, 9.528, 118.312

■ 26, 9.528, 118.312

■ 16, 9.528, 118.312

■ 6, 9.528, 118.312

■ 0, 9.528, 118.312

86, 9.528, 118.312

86, 9.528, 118.312

85, 20.988,
117.654

87, 1.976, 298.952

84, 32.317,
116.988

88, 13.473,
299.581

84, 43.398,
116.341

89, 20.160,
301.892

83, 54.050,
115.747

89, 20.520,
306.434

83, 64.002,
115.257

89, 21.003,
310.836

82, 72.865,
114.940

90, 21.602,
315.058

82, 80.133,
114.888

90, 22.310,
319.068

81, 85.299,
115.198

91, 23.120,
322.849

■ 81, 88.222,
115.911

■ 91, 23.715,
325.250

Harmonies

Complementary

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



86, 9.528, 118.312



81, 9.705, 299.415

Rectangle

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



86, 9.528, 118.312



86, 9.528, 168.312



86, 9.528, 298.312



86, 9.528, 348.312

Sweetspot

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



86, 9.530, 118.319



100, 2.611, 118.734



83, 5.621, 41.102



53, 1.484, 118.741



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 9.530, 118.319



99, 13.092, 118.200



85, 10.591, 135.920



46, 6.577, 118.244



66, 74.874, 115.865



17, 27.110, 116.310

Inverse Universe

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



81, 9.705, 299.415



92, 13.377, 299.547



82, 10.667, 316.588



42, 6.711, 299.499



22, 98.372, 307.492



2, 29.971, 300.343

Previews

White Background



This preview shows how the CIELCh color 86, 9.528, 118.312 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 86, 9.528, 118.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

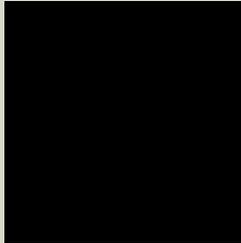
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

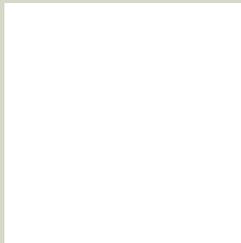
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 9.528, 118.312

Background



This preview shows how black text looks on a background with the CIELCh color 86, 9.528, 118.312.



This preview shows how white text looks on a background with the CIELCh color 86, 9.528, 118.312.

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
86, 9.528, 118.312

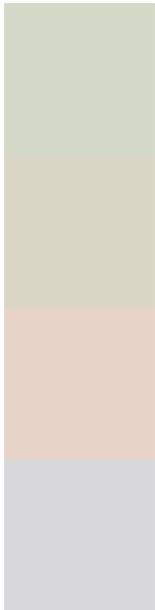
Protanopia
86, 9.001, 87.490

Deuteranopia
86, 12.986, 36.516



Tritanopia
86, 8.614, 302.665

Trichromacy



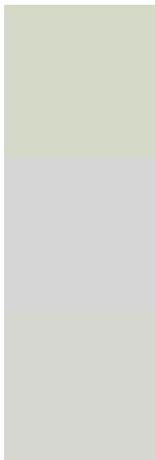
Original Color
86, 9.528, 118.312

Protanomaly
86, 8.997, 99.873

Deuteranomaly
86, 9.454, 57.146

Tritanomaly
86, 1.627, 303.082

Monochromacy



Original Color
86, 9.528, 118.312

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 3.158, 116.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 9.528, 118.312 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(213, 217, 199)` looks like.

```
.text, #text, p{  
    color:rgb(213, 217, 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(213, 217, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 217, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 9.528, 118.312 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(213, 217, 199) }
```

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

```
.border{ border-color:rgb(213, 217, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 217, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 217, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 217, 199);  
box-shadow:4px 4px 4px 4px rgb(213, 217,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 9.528, 118.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 217, 199) }
```

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

```
.background{ background-color: rgb(213,  
217, 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