

Converting Colors

CIELCh(82, 1.653, 116.597)

Have a look what the booklet for
CIELCh(82, 1.653, 116.597) contains.

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Color

CIELCh(82, 1.577, 109.997)

Conversions

Conversions Part 1

Format	Color
Hex	CCCCCC9
RGB	204, 204, 201
RGB Percent	80%, 80%, 79%
CMY	0.1997, 0.1996, 0.2114
CMYK	0.00, 0.00, 0.01, 0.20
HSL	60°, 3%, 79%
HSV	60°, 1%, 80%
XYZ	57.0924, 60.2982, 63.9421
YIQ	203.6580, 0.9630, -0.9330

Conversions

Conversions Part 2

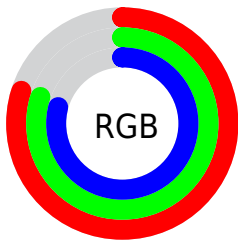
Format	Color
RYB	201, 204, 201
Decimal	13421769
CIELab	82.00, -0.54, 1.48
CIELCh	82, 1.577, 109.997
Yxy	60.2982, 0.3148, 0.3325
Android (android.graphics.Color)	4291611849 (0xFFCCCCC9)
YUV	203.6580, -1.3104, 0.2999
Hunter-Lab	77.6519, -4.6514, 5.5343

Details

The CIELCh color **82, 1.577, 109.997** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 1.603, 290.407**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **62, 1.672, 109.961** is the 20% darker color. If you saturate the color by 10%, you get **82, 12.354, 109.123**, and if you desaturate by 10%, it is **83, 9.222, 291.031**.

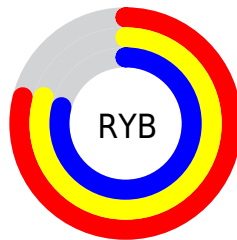
Distribution



Red (80%)

Green (80%)

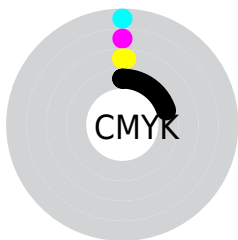
Blue (79%)



Red (79%)

Yellow (80%)

Blue (79%)

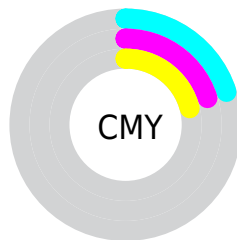


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (20%)



Cyan (20%)

Magenta (20%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 1.577, 109.997 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 82, 1.577, 109.997 by changing the saturation by 10% instead.

■ 82, 1.577, 109.997

■ 82, 1.577, 109.997

■ 100, 1.577,
109.997

■ 72, 1.577, 109.997

■ 62, 1.577, 109.997

■ 52, 1.577, 109.997

■ 42, 1.577, 109.997

■ 32, 1.577, 109.997

■ 22, 1.577, 109.997

■ 12, 1.577, 109.997

■ 2, 1.577, 109.997

■ 0, 1.577, 109.997

82, 1.577, 109.997

82, 1.577, 109.997

82, 12.354,
109.123

83, 9.222, 291.031

81, 23.048,
108.159

83, 20.012,
291.936

81, 33.580,
107.201

84, 26.916,
292.507

80, 43.820,
106.268

84, 26.916,
292.524

80, 53.569,
105.386

84, 26.916,
292.541

80, 62.525,
104.588

84, 26.916,
292.558

80, 70.269,
103.910

84, 26.917,
292.575

80, 76.294,
103.395

84, 26.917,
292.592

■ 80, 80.160,
103.072

■ 84, 26.917,
292.609

Harmonies

Complementary

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



82, 1.577, 109.997



81, 1.603, 290.407

Rectangle

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



82, 1.577, 109.997



82, 1.577, 159.997



82, 1.577, 289.997



82, 1.577, 339.997

Sweetspot

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



82, 1.579, 110.045

100, 0.012, 296.813



81, 1.100, 18.986



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



82, 1.579, 110.045



100, 2.575, 110.004



82, 1.678, 129.077



43, 1.218, 110.016



66, 70.198, 102.926



15, 21.914, 105.453

Inverse Universe

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



81, 1.603, 290.407



98, 2.609, 290.450



81, 1.700, 309.061



42, 1.235, 290.438



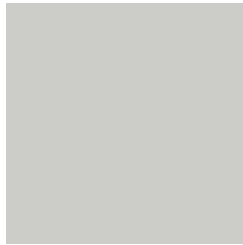
19, 96.923, 306.291



1, 23.535, 292.477

Previews

White Background



This preview shows how the CIELCh color 82, 1.577, 109.997 looks on a white background.

Color Contrast Check

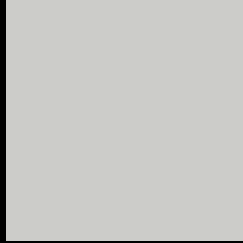
Large Text (above 18pt) WCAG AA × Fail

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 82, 1.577, 109.997 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

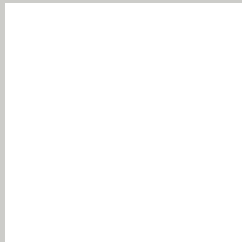
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 1.577, 109.997

Background



This preview shows how black text looks on a background with the CIELCh color 82, 1.577, 109.997.



This preview shows how white text looks on a background with the CIELCh color 82, 1.577, 109.997.

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

82, 1.577, 109.997

Protanopia

82, 2.413, 60.292

Deuteranopia

82, 10.380, 5.480



Tritanopia
82, 8.181, 303.422

Trichromacy



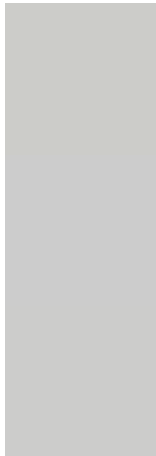
Original Color
82, 1.577, 109.997

Protanomaly
82, 2.147, 66.744

Deuteranomaly
82, 6.379, 10.299

Tritanomaly
82, 4.396, 304.762

Monochromacy



Original Color
82, 1.577, 109.997

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 0.519, 110.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 1.577, 109.997 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(204, 204, 201)` looks like.

```
.text, #text, p{  
    color:rgb(204, 204, 201)  
}
```

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(204, 204, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 204, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 1.577, 109.997 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(204, 204, 201) }
```

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

```
.border{ border-color:rgb(204, 204, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 204, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 204, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 204, 201);  
box-shadow:4px 4px 4px 4px rgb(204, 204,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 1.577, 109.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 204, 201) }
```

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

```
.background{ background-color: rgb(204,  
204, 201) }
```

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](#).

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