

Converting Colors

CIELCh(82, 0.440, 90.000)

Have a look what the booklet for
CIELCh(82, 0.440, 90.000) contains.

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Color

CIELCh(82, 0.519, 110.006)

Conversions

Conversions Part 1

Format	Color
Hex	CCCCCB
RGB	204, 204, 203
RGB Percent	80%, 80%, 80%
CMY	0.2002, 0.2002, 0.2041
CMYK	0.00, 0.00, 0.00, 0.20
HSL	60°, 1%, 80%
HSV	60°, 0%, 80%
XYZ	57.2394, 60.2982, 65.0876
YIQ	203.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

Format	Color
R _Y B	203, 204, 203
Decimal	13421771
CIE Lab	82.00, -0.18, 0.49
CIE LCh	82, 0.519, 110.006
Yxy	60.2982, 0.3134, 0.3302
Android (android.graphics.Color)	4291611851 (0xFFCCCCCB)
YUV	203.8860, -0.4368, 0.1000
Hunter-Lab	77.6519, -4.3135, 4.6596

Details

The CIELCh color `82, 0.519, 110.006` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `82, 0.541, 290.483`, 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, 0.552, 110.022` is the 20% darker color. If you saturate the color by 10%, you get `82, 11.294, 109.315`, and if you desaturate by 10%, it is `83, 10.274, 291.210`.

Distribution



- Red (80%)
- Green (80%)
- Blue (80%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (20%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 0.519, 110.006 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, 0.519, 110.006 by changing the saturation by 10% instead.

■ 82, 0.519, 110.006

■ 82, 0.519, 110.006

100, 0.519,
110.006

■ 72, 0.519, 110.006

■ 62, 0.519, 110.006

■ 52, 0.519, 110.006

■ 42, 0.519, 110.006

■ 32, 0.519, 110.006

■ 22, 0.519, 110.006

■ 12, 0.519, 110.006

■ 2, 0.519, 110.006

■ 0, 0.519, 110.006

82, 0.519, 110.006

82, 0.519, 110.006

82, 11.294,
109.315

83, 10.274,
291.210

81, 21.994,
108.355

83, 21.056,
292.109

81, 32.541,
107.399

84, 26.995,
292.614

80, 42.811,
106.466

84, 26.996,
292.664

80, 52.613,
105.582

84, 26.996,
292.715

80, 61.659,
104.778

84, 26.997,
292.765

80, 69.540,
104.092

84, 26.997,
292.816

80, 75.752,
103.565

84, 26.998,
292.866

■ 80, 79.841,
103.232

■ 84, 26.998,
292.916

Harmonies

Complementary

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



82, 0.519, 110.006



82, 0.541, 290.483

Rectangle

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



82, 0.519, 110.006



82, 0.519, 160.006



82, 0.519, 290.006



82, 0.519, 340.006

Sweetspot

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



82, 0.521, 110.150

100, 0.012, 296.813



82, 0.367, 17.913



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, 0.521, 110.150



100, 1.282, 110.165



82, 0.554, 129.264



43, 0.606, 110.167



66, 70.199, 103.072



14, 21.914, 105.593

Inverse Universe

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



82, 0.541, 290.483



99, 1.308, 290.473



82, 0.573, 308.881



43, 0.619, 290.470



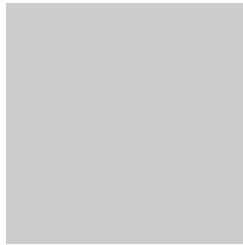
19, 96.910, 306.299



1, 23.536, 292.538

Previews

White Background



This preview shows how the CIELCh color 82, 0.519, 110.006 looks on a white background.

Color Contrast Check

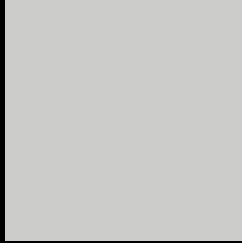
Large Text (above 18pt) WCAG AA × Fail

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, 0.519, 110.006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

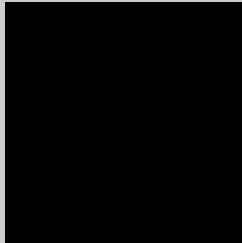
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

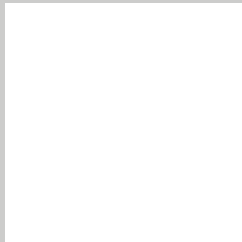
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 0.519, 110.006

Background



This preview shows how black text looks on a background with the CIELCh color 82, 0.519, 110.006.

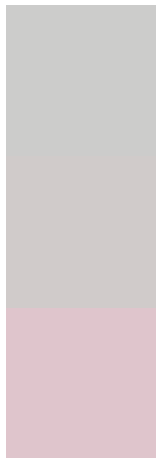


This preview shows how white text looks on a background with the CIELCh color 82, 0.519, 110.006.

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, 0.519, 110.006

Protanopia

82, 1.901, 35.372

Deuteranopia

82, 10.317, 359.211



Tritanopia
82, 8.629, 300.376

Trichromacy



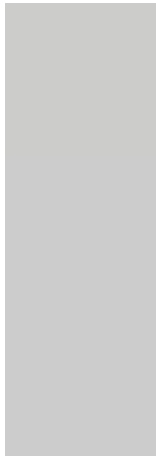
Original Color
82, 0.519, 110.006

Protanomaly
82, 1.550, 39.069

Deuteranomaly
82, 6.272, 0.132

Tritanomaly
82, 5.365, 298.314

Monochromacy



Original Color
82, 0.519, 110.006

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 0.010, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 0.519, 110.006 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(204, 204, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 204, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 0.519, 110.006 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, 203) }
```

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

```
.border{ border-color:rgb(204, 204, 203) }
```

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, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 204, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 204, 203);  
box-shadow:4px 4px 4px 4px rgb(204, 204,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 0.519, 110.006 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, 203) }
```

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

```
.background{ background-color: rgb(204,  
204, 203) }
```

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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