

Converting Colors

CIELCh(82, 13.744, 272.112)

Have a look what the booklet for
CIELCh(82, 13.744, 272.112)
contains.

CIELCh(82, 13.465, 270.577)	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(82, 13.465, 270.577)

Conversions

Conversions Part 1

Format	Color
Hex	BFCDE5
RGB	191, 205, 229
RGB Percent	75%, 80%, 90%
CMY	0.2515, 0.1966, 0.1025
CMYK	0.17, 0.10, 0.00, 0.10
HSL	218°, 42%, 82%
HSV	218°, 17%, 90%
XYZ	57.3668, 60.2982, 82.6338
YIQ	203.5500, -16.0480, 4.4960

Conversions

Conversions Part 2

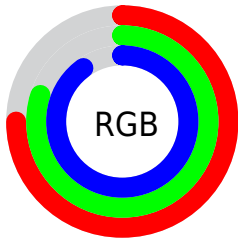
Format	Color
R _Y B	191, 201, 229
Decimal	12570085
CIE Lab	82.00, 0.14, -13.46
CIE LCh	82, 13.465, 270.577
Yxy	60.2982, 0.2864, 0.3010
Android (android.graphics.Color)	4290760165 (0xFFBFCDE5)
YUV	203.5500, 12.5469, -11.0063
Hunter-Lab	77.6519, -4.0206, -8.7375

Details

The CIELCh color `82, 13.465, 270.577` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `86, 13.605, 86.067`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 2.426, 199.524`, and `62, 13.677, 270.431` is the 20% darker color. If you saturate the color by 10%, you get `77, 21.688, 272.298`, and if you desaturate by 10%, it is `87, 5.329, 269.123`.

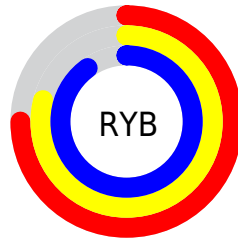
Distribution



Red (75%)

Green (80%)

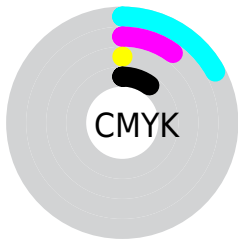
Blue (90%)



Red (75%)

Yellow (79%)

Blue (90%)

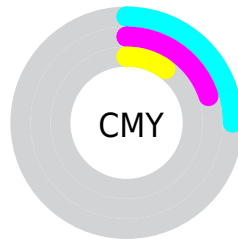


Cyan (17%)

Magenta (10%)

Yellow (0%)

Black (10%)



Cyan (25%)

Magenta (20%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 13.465, 270.577 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, 13.465, 270.577 by changing the saturation by 10% instead.

■ 82, 13.465,
270.577

■ 82, 13.465,
270.577

■ 100, 13.465,
270.577

■ 72, 13.465,
270.577

■ 62, 13.465,
270.577

■ 52, 13.465,
270.577

■ 42, 13.465,
270.577

■ 32, 13.465,
270.577

■ 22, 13.465,
270.577

■ 12, 13.465,

270.577

■ 2, 13.465, 270.577

■ 0, 13.465, 270.577

■ 82, 13.465,
270.577

■ 82, 13.465,
270.577

■ 77, 21.688,
272.298

■ 87, 5.329, 269.123

■ 71, 30.005,
274.329

■ 93, 2.711, 87.688

■ 66, 38.425,
276.711

■ 98, 10.135, 95.332

■ 99, 13.233,
109.177

■ 61, 46.974,
279.480

■ 56, 55.696,

282.651

■ 51, 64.637,
286.188

■ 47, 73.816,
289.981

■ 43, 83.148,
293.829

■ 41, 86.328,
295.053

Harmonies

Complementary

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



82, 13.465, 270.577



86, 13.605, 86.067

Rectangle

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



82, 13.465, 270.577



82, 13.465, 320.577



82, 13.465, 90.577



82, 13.465, 140.577

Sweetspot

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



82, 13.464, 270.571



97, 4.404, 268.928



88, 15.485, 168.935



51, 3.005, 269.014



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 13.464, 270.571



88, 17.739, 271.146



79, 20.433, 296.232



45, 4.600, 269.506



32, 70.456, 294.414



6, 24.355, 285.981

Inverse Universe

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



81, 15.906, 352.977



87, 21.027, 353.373



90, 19.683, 113.443



45, 5.390, 352.216



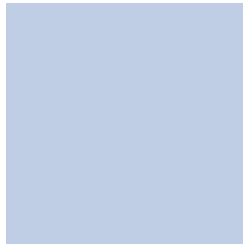
38, 65.332, 14.560



7, 26.792, 4.382

Previews

White Background



This preview shows how the CIE LCh color 82, 13.465, 270.577 looks on a white background.

Color Contrast Check

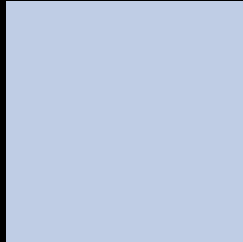
Large Text (above 18pt) WCAG AA × Fail

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 82, 13.465, 270.577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

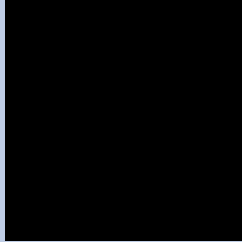
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

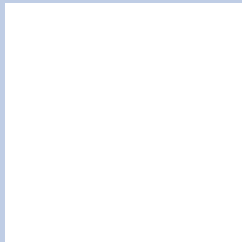
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 13.465, 270.577

Background



This preview shows how black text looks on a background with the CIELCh color 82, 13.465, 270.577.



This preview shows how white text looks on a background with the CIELCh color 82, 13.465, 270.577.

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, 13.465, 270.577

Protanopia

82, 13.271, 288.357

Deuteranopia

82, 17.660, 306.442



Tritanopia
82, 10.000, 257.421

Trichromacy



Original Color
82, 13.465, 270.577

Protanomaly
82, 13.374, 282.478

Deuteranomaly
82, 16.020, 296.500

Tritanomaly
82, 10.884, 260.686

Monochromacy



Original Color
82, 13.465, 270.577

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 4.574, 267.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 13.465, 270.577 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(191, 205, 229)` looks like.

```
.text, #text, p{  
    color:rgb(191, 205, 229)  
}
```

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(191, 205, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 205, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 13.465, 270.577 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(191, 205, 229) }
```

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

```
.border{ border-color:rgb(191, 205, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 205, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 205, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 205, 229); box-shadow:4px 4px 4px 4px rgb(191, 205, 229) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 13.465, 270.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 205, 229) }
```

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

```
.background{ background-color: rgb(191,  
205, 229) }
```

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