

Converting Colors

CIELCh(88, 13.870, 302.636)

Have a look what the booklet for
CIELCh(88, 13.870, 302.636)
contains.

CIELCh(88, 13.920, 302.724)	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(88, 13.920, 302.724)

Conversions

Conversions Part 1

Format	Color
Hex	E1D9F3
RGB	225, 217, 243
RGB Percent	88%, 85%, 95%
CMY	0.1178, 0.1492, 0.0473
CMYK	0.07, 0.11, 0.00, 0.05
HSL	258°, 52%, 90%
HSV	258°, 11%, 95%
XYZ	72.0036, 72.0653, 94.8667
YIQ	222.3560, -3.5780, 9.7820

Conversions

Conversions Part 2

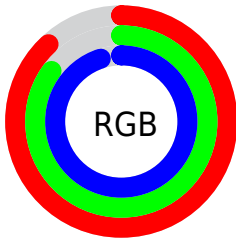
Format	Color
R_{YB}	225, 217, 243
Decimal	14801395
CIE _{Lab}	88.00, 7.53, -11.71
CIE _{LCh}	88, 13.920, 302.724
Yxy	72.0653, 0.3014, 0.3016
Android (android.graphics.Color)	4292991475 (0xFFE1D9F3)
YUV	222.3560, 10.1775, 2.3188
Hunter-Lab	84.8913, 2.8414, -6.8332

Details

The CIELCh color `88, 13.920, 302.724` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `95, 13.630, 121.485`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `68, 14.142, 303.328` is the 20% darker color. If you saturate the color by 10%, you get `81, 27.401, 303.405`, and if you desaturate by 10%, it is `95, 0.905, 302.061`.

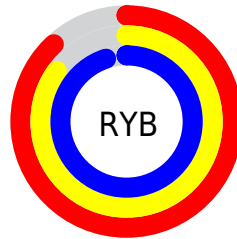
Distribution



Red (88%)

Green (85%)

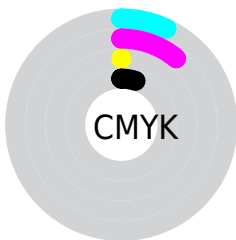
Blue (95%)



Red (88%)

Yellow (85%)

Blue (95%)

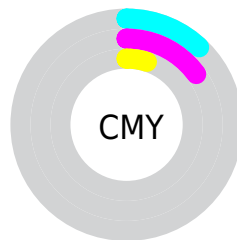


Cyan (7%)

Magenta (11%)

Yellow (0%)

Black (5%)



Cyan (12%)


Magenta (15%)

Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 13.920, 302.724 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 88, 13.920, 302.724 by changing the saturation by 10% instead.

 88, 13.920,
302.724

 88, 13.920,
302.724


 100, 13.920,
302.724


 78, 13.920,
302.724


 68, 13.920,
302.724

 58, 13.920,
302.724

 48, 13.920,
302.724

 38, 13.920,
302.724

 28, 13.920,
302.724

 18, 13.920,

302.724

■ 8, 13.920, 302.724

■ 0, 13.920, 302.724

■ 88, 13.920,
302.724

■ 88, 13.920,
302.724

■ 81, 27.401,
303.405

■ 95, 0.905, 302.061

■ 73, 41.344,
304.173

■ 100, 6.099,
109.709

■ 66, 55.691,
305.020

■ 59, 70.295,
305.923

■ 52, 84.843,

306.835

■ 46, 98.730,
307.668

■ 41, 110.938,
308.280

■ 36, 120.096,
308.489

■ 34, 125.273,
308.271

Harmonies

Complementary

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



88, 13.920, 302.724



95, 13.630, 121.485

Rectangle

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



88, 13.920, 302.724



88, 13.920, 352.724



88, 13.920, 122.724



88, 13.920, 172.724

Sweetspot

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



88, 13.918, 302.721



98, 4.011, 302.242



92, 7.356, 232.460



52, 3.043, 302.292



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 13.918, 302.721



90, 17.658, 302.873



89, 15.458, 319.272



47, 7.422, 302.644



25, 102.381, 308.422



4, 40.870, 306.876

Inverse Universe

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



89, 13.223, 335.310



92, 16.736, 335.483



94, 15.366, 138.324



48, 7.060, 335.219



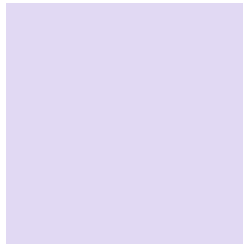
41, 72.512, 345.462



10, 33.108, 342.527

Previews

White Background



This preview shows how the CIELCh color 88, 13.920, 302.724 looks on a white background.

Color Contrast Check

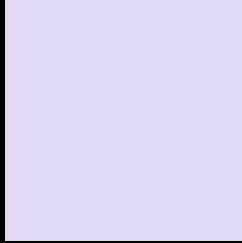
Large Text (above 18pt) WCAG AA × Fail

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 88, 13.920, 302.724 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

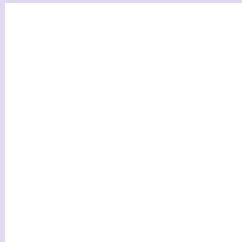
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 13.920, 302.724

Background



This preview shows how black text looks on a background with the CIELCh color 88, 13.920, 302.724.



This preview shows how white text looks on a background with the CIELCh color 88, 13.920, 302.724.

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

88, 13.920, 302.724

Protanopia

88, 13.065, 289.756

Deuteranopia

88, 15.862, 313.199



Tritanopia
88, 9.166, 304.157

Trichromacy



Original Color
88, 13.920, 302.724

Protanomaly
88, 13.653, 295.617

Deuteranomaly
88, 14.884, 308.925

Tritanomaly
88, 10.696, 302.296

Monochromacy



Original Color
88, 13.920, 302.724

Achromatopsia
88, 0.011, 296.813

Achromatomaly
88, 5.348, 302.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 13.920, 302.724 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(225, 217, 243)` looks like.

```
.text, #text, p{  
    color:rgb(225, 217, 243)  
}
```

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(225, 217, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 217, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 13.920, 302.724 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(225, 217, 243) }
```

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

```
.border{ border-color:rgb(225, 217, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 217, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 217, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 217, 243); box-shadow:4px 4px 4px 4px rgb(225, 217, 243) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 13.920, 302.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 217, 243) }
```

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

```
.background{ background-color: rgb(225,  
217, 243) }
```

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