

Converting Colors

CIELCh(90, 55.521, 300.937)

Have a look what the booklet for
CIELCh(90, 55.521, 300.937)
contains.

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Color

CIELCh(88, 23.716, 309.455)

Conversions

Conversions Part 1

Format	Color
Hex	EAD5FF
RGB	234, 213, 255
RGB Percent	92%, 84%, 100%
CMY	0.0839, 0.1663, 0.0000
CMYK	0.08, 0.17, 0.00, 0.00
HSL	270°, 100%, 92%
HSV	270°, 17%, 100%
XYZ	75.6392, 72.0653, 105.0452
YIQ	224.0670, -0.9660, 17.5140

Conversions

Conversions Part 2

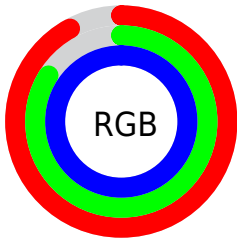
Format	Color
R_{YB}	234, 213, 255
Decimal	15390207
CIE _{Lab}	88.00, 15.07, -18.31
CIE _{LCh}	88, 23.716, 309.455
Yxy	72.0653, 0.2993, 0.2851
Android (android.graphics.Color)	4293580287 (0xFFEAD5FF)
YUV	224.0670, 15.2500, 8.7112
Hunter-Lab	84.8913, 10.4860, -13.9421

Details

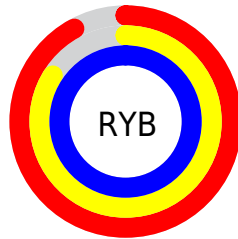
The CIELCh color `88, 23.716, 309.455` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 22.876, 128.152`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `68, 23.285, 310.008` is the 20% darker color. If you saturate the color by 10%, you get `81, 37.993, 310.210`, and if you desaturate by 10%, it is `95, 9.204, 309.190`.

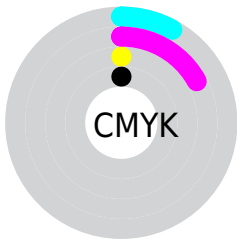
Distribution



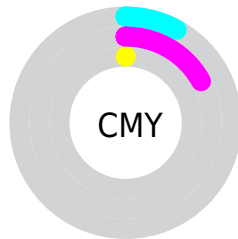
- Red (92%)
- Green (84%)
- Blue (100%)



- Red (92%)
- Yellow (84%)
- Blue (100%)



- Cyan (8%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 23.716, 309.455 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, 23.716, 309.455 by changing the saturation by 10% instead.


 88, 23.716,
309.455


 88, 23.716,
309.455


 100, 23.716,
309.455


 78, 23.716,
309.455

 68, 23.716,
309.455

 58, 23.716,
309.455

 48, 23.716,
309.455

 38, 23.716,
309.455

 28, 23.716,
309.455

 18, 23.716,

309.455

■ 8, 23.716, 309.455

■ 0, 23.716, 309.455

■ 88, 23.716,
309.455

■ 88, 23.716,
309.455

■ 81, 37.993,
310.210

■ 95, 9.204, 309.190

■ 74, 52.847,
310.761

100, 0.012,
296.813

■ 67, 67.779,
311.314

■ 60, 82.445,
311.827

■ 54, 96.280,

312.236

■ 49, 108.444,
312.445

■ 45, 117.895,
312.336

■ 42, 123.750,
311.803

■ 41, 125.176,
311.571

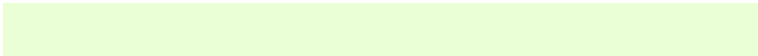
Harmonies

Complementary

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



88, 23.716, 309.455



98, 22.876, 128.152

Rectangle

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



88, 23.716, 309.455



88, 23.716, 359.455



88, 23.716, 129.455



88, 23.716, 179.455

Sweetspot

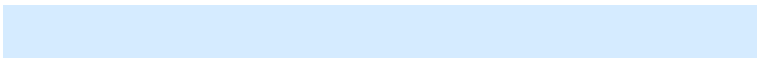
The Sweet Spot groups the original color and five complimentary colors.



88, 23.412, 309.683



96, 6.926, 309.110



92, 12.714, 255.925



51, 4.729, 309.145



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, 23.412, 309.683



86, 28.288, 309.857



90, 26.443, 324.888



49, 7.923, 309.329



30, 100.632, 311.766



6, 44.905, 312.751

Inverse Universe

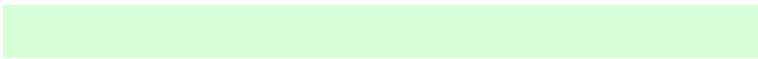
The Inverse Universe completely reimagines the original color for something new.



89, 18.875, 344.830



87, 22.771, 345.160



96, 26.407, 142.982



50, 6.402, 344.159



41, 68.298, 1.677



10, 31.913, 356.149

Previews

White Background



This preview shows how the CIELCh color 88, 23.716, 309.455 looks on a white background.

Color Contrast Check

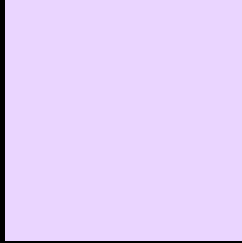
Large Text (above 18pt) WCAG AA × Fail

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 88, 23.716, 309.455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

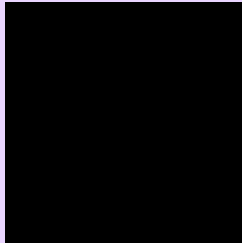
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

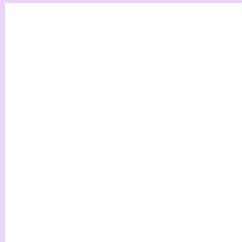
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 23.716, 309.455

Background



This preview shows how black text looks on a background with the CIELCh color 88, 23.716, 309.455.

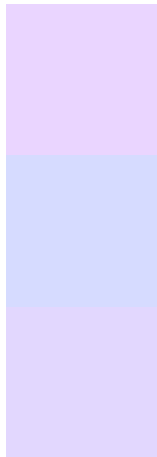


This preview shows how white text looks on a background with the CIELCh color 88, 23.716, 309.455.

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, 23.202, 309.832

Protanopia

88, 18.849, 286.655

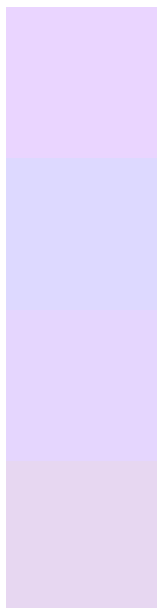
Deuteranopia

88, 20.811, 302.115



Tritanopia
88, 10.227, 319.816

Trichromacy



Original Color
88, 23.202, 309.832

Protanomaly
88, 19.945, 295.655

Deuteranomaly
88, 21.626, 305.452

Tritanomaly
88, 14.768, 313.437

Monochromacy



Original Color
88, 23.202, 309.832

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 8.241, 308.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 23.716, 309.455 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(234, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 213, 255)  
}
```

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(234, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 213, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 23.716, 309.455 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(234, 213, 255) }
```

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

```
.border{ border-color:rgb(234, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 213,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 23.716, 309.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 213, 255) }
```

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

```
.background{ background-color: rgb(234,  
213, 255) }
```

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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