

Converting Colors

CIELCh(89, 20.896, 308.059)

Have a look what the booklet for
CIELCh(89, 20.896, 308.059)
contains.

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Color

CIELCh(89, 20.745, 307.939)

Conversions

Conversions Part 1

Format	Color
Hex	EAD9FF
RGB	234, 217, 255
RGB Percent	92%, 85%, 100%
CMY	0.0833, 0.1499, 0.0009
CMYK	0.08, 0.15, 0.00, 0.00
HSL	267°, 99%, 92%
HSV	267°, 15%, 100%
XYZ	76.6199, 74.1641, 104.6841
YIQ	226.4150, -2.0660, 15.4220

Conversions

Conversions Part 2

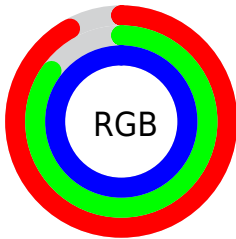
Format	Color
R_{YB}	234, 217, 255
Decimal	15391231
CIE _{Lab}	89.00, 12.75, -16.36
CIE _{LCh}	89, 20.745, 307.939
Yxy	74.1641, 0.2999, 0.2903
Android (android.graphics.Color)	4293581311 (0xFFEAD9FF)
YUV	226.4150, 14.0924, 6.6520
Hunter-Lab	86.1186, 8.1042, -11.7888

Details

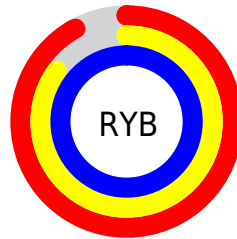
The CIELCh color `89, 20.745, 307.939` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 20.272, 126.504`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 20.694, 308.001` is the 20% darker color. If you saturate the color by 10%, you get `82, 35.166, 308.497`, and if you desaturate by 10%, it is `96, 6.733, 307.419`.

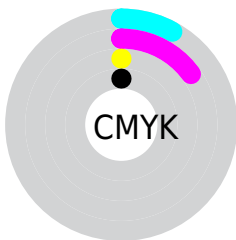
Distribution



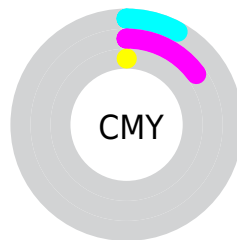
- Red (92%)
- Green (85%)
- Blue (100%)



- Red (92%)
- Yellow (85%)
- Blue (100%)



- Cyan (8%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (15%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 20.745, 307.939 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 89, 20.745, 307.939 by changing the saturation by 10% instead.


 89, 20.745,
307.939

 89, 20.745,
307.939


 100, 20.745,
307.939


 79, 20.745,
307.939

 69, 20.745,
307.939

 59, 20.745,
307.939

 49, 20.745,
307.939

 39, 20.745,
307.939

 29, 20.745,
307.939

 19, 20.745,

307.939

■ 9, 20.745, 307.939

■ 0, 20.745, 307.939

■ 89, 20.745,
307.939

■ 89, 20.745,
307.939

■ 82, 35.166,
308.497

■ 96, 6.733, 307.419

■ 74, 49.930,
309.096

100, 0.108,
109.456

■ 67, 64.884,
309.716

■ 61, 79.742,
310.319

■ 54, 94.000,

310.844

■ 49, 106.865,
311.196

■ 44, 117.257,
311.249

■ 41, 124.103,
310.871

■ 39, 126.397,
310.549

Harmonies

Complementary

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



89, 20.745, 307.939



98, 20.272, 126.504

Rectangle

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



89, 20.745, 307.939



89, 20.745, 357.939



89, 20.745, 127.939



89, 20.745, 177.939

Sweetspot

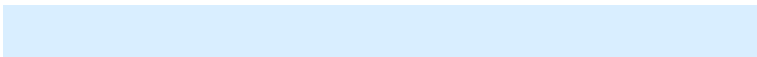
The Sweet Spot groups the original color and five complimentary colors.



89, 20.743, 307.938



97, 5.481, 307.371



93, 11.006, 249.816



51, 3.899, 307.411



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 20.743, 307.938



87, 25.174, 308.106



91, 23.328, 323.390



49, 7.850, 307.654



29, 101.672, 310.740



6, 44.921, 311.444

Inverse Universe

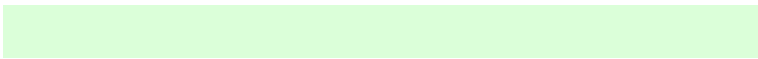
The Inverse Universe completely reimagines the original color for something new.



90, 17.431, 342.118



88, 21.112, 342.398



97, 23.261, 141.806



50, 6.615, 341.639



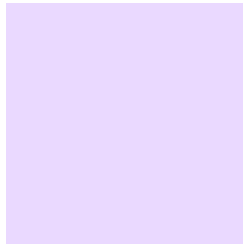
41, 69.105, 357.190



11, 32.463, 352.423

Previews

White Background



This preview shows how the CIELCh color 89, 20.745, 307.939 looks on a white background.

Color Contrast Check

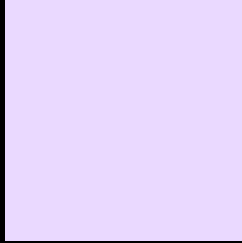
Large Text (above 18pt) WCAG AA × Fail

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 89, 20.745, 307.939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

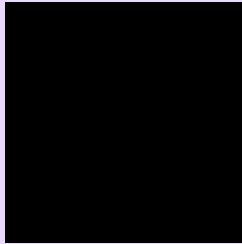
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 20.745, 307.939

Background



This preview shows how black text looks on a background with the CIELCh color 89, 20.745, 307.939.

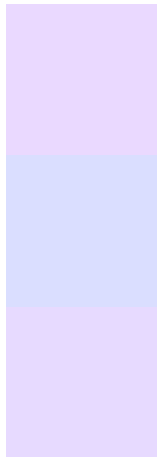


This preview shows how white text looks on a background with the CIELCh color 89, 20.745, 307.939.

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

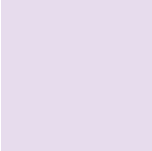
89, 20.745, 307.939

Protanopia

89, 17.226, 287.119

Deuteranopia

89, 19.879, 304.538



Tritanopia
89, 9.720, 314.313

Trichromacy



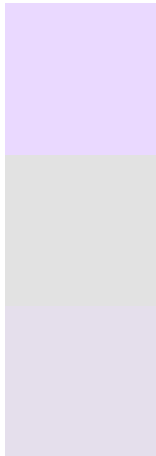
Original Color
89, 20.745, 307.939

Protanomaly
89, 18.336, 295.869

Deuteranomaly
89, 19.958, 305.497

Tritanomaly
89, 13.371, 310.930

Monochromacy



Original Color
89, 20.745, 307.939

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 7.121, 307.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 20.745, 307.939 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, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 217, 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, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 217, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 20.745, 307.939 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, 217, 255) }
```

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

```
.border{ border-color:rgb(234, 217, 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, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 217,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 20.745, 307.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 217, 255) }
```

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

```
.background{ background-color: rgb(234,  
217, 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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