

Converting Colors

CIELCh(89, 21.156, 306.920)

Have a look what the booklet for
CIELCh(89, 21.156, 306.920)
contains.

CIELCh(89, 20.651, 307.021)	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(89, 20.651, 307.021)

Conversions

Conversions Part 1

Format	Color
Hex	E9D9FF
RGB	233, 217, 255
RGB Percent	91%, 85%, 100%
CMY	0.0863, 0.1490, 0.0000
CMYK	0.09, 0.15, 0.00, 0.00
HSL	265°, 100%, 93%
HSV	265°, 15%, 100%
XYZ	76.4617, 74.1641, 104.8866
YIQ	226.1160, -2.6620, 15.2100

Conversions

Conversions Part 2

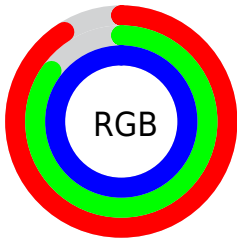
Format	Color
R _Y B	233, 217, 255
Decimal	15325695
CIE _{Lab}	89.00, 12.43, -16.49
CIE _{LCh}	89, 20.651, 307.021
Y _{xy}	74.1641, 0.2992, 0.2903
Android (android.graphics.Color)	4293515775 (0xFFE9D9FF)
YUV	226.1160, 14.2398, 6.0373
Hunter-Lab	86.1186, 7.7765, -11.9282

Details

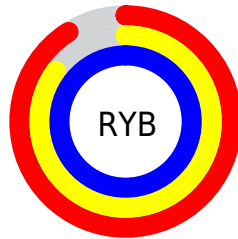
The CIELCh color `89, 20.651, 307.021` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 20.157, 125.539`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 20.600, 307.040` is the 20% darker color. If you saturate the color by 10%, you get `82, 35.037, 307.604`, and if you desaturate by 10%, it is `96, 6.689, 306.483`.

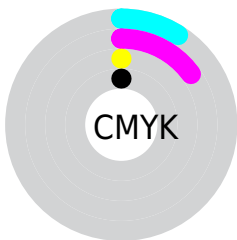
Distribution



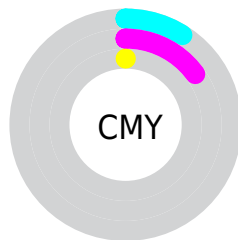
- Red (91%)
- Green (85%)
- Blue (100%)



- Red (91%)
- Yellow (85%)
- Blue (100%)



- Cyan (9%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (15%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 20.651, 307.021 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, 20.651, 307.021 by changing the saturation by 10% instead.


 89, 20.651,
307.021


 89, 20.651,
307.021


 100, 20.651,
307.021


 79, 20.651,
307.021

 69, 20.651,
307.021

 59, 20.651,
307.021

 49, 20.651,
307.021

 39, 20.651,
307.021

 29, 20.651,
307.021

 19, 20.651,

307.021

■ 9, 20.651, 307.021

■ 0, 20.651, 307.021

■ 89, 20.651,
307.021

■ 89, 20.651,
307.021

■ 82, 35.037,
307.604

■ 96, 6.689, 306.483

■ 74, 49.792,
308.235

100, 0.009,
299.170

■ 67, 64.774,
308.895

■ 60, 79.710,
309.548

■ 54, 94.109,

310.131

■ 48, 107.173,
310.547

■ 43, 117.793,
310.663

■ 40, 124.826,
310.338

■ 38, 127.189,
310.039

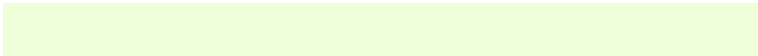
Harmonies

Complementary

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



89, 20.651, 307.021



98, 20.157, 125.539

Rectangle

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



89, 20.651, 307.021



89, 20.651, 357.021



89, 20.651, 127.021



89, 20.651, 177.021

Sweetspot

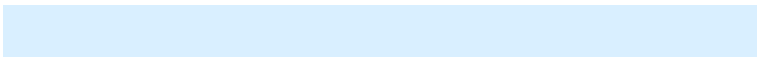
The Sweet Spot groups the original color and five complimentary colors.



89, 20.649, 307.020



97, 5.454, 306.434



93, 10.899, 247.783



51, 3.879, 306.475



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, 20.649, 307.020



87, 25.065, 307.195



91, 23.214, 322.914



49, 7.813, 306.726



28, 102.233, 310.226



5, 44.912, 310.742

Inverse Universe

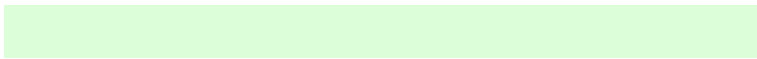
The Inverse Universe completely reimagines the original color for something new.



90, 17.746, 340.793



88, 21.489, 341.065



97, 23.135, 141.363



50, 6.737, 340.329



42, 69.749, 354.819



11, 32.828, 350.469

Previews

White Background



This preview shows how the CIELCh color 89, 20.651, 307.021 looks on a white background.

Color Contrast Check

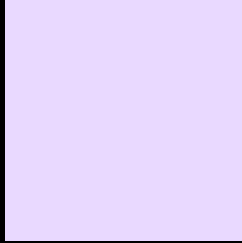
Large Text (above 18pt) WCAG AA × Fail

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, 20.651, 307.021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

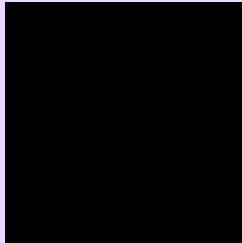
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 20.651, 307.021

Background



This preview shows how black text looks on a background with the CIELCh color 89, 20.651, 307.021.

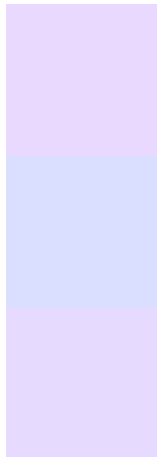


This preview shows how white text looks on a background with the CIELCh color 89, 20.651, 307.021.

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

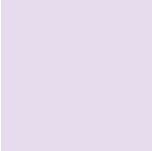
89, 20.651, 307.021

Protanopia

89, 17.226, 287.119

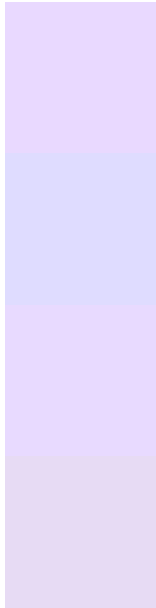
Deuteranopia

89, 19.879, 304.538



Tritanopia
89, 9.583, 312.374

Trichromacy



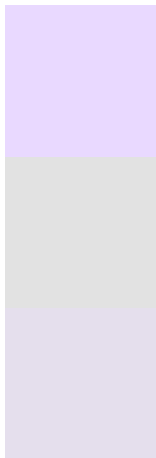
Original Color
89, 20.651, 307.021

Protanomaly
89, 18.310, 294.818

Deuteranomaly
89, 19.958, 305.497

Tritanomaly
89, 13.750, 308.831

Monochromacy



Original Color
89, 20.651, 307.021

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 7.619, 306.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 20.651, 307.021 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(233, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 217, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 20.651, 307.021 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(233, 217, 255) }
```

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

```
.border{ border-color:rgb(233, 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(233, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 217,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 20.651, 307.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 217, 255) }
```

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

```
.background{ background-color: rgb(233,  
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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