

Converting Colors

CIELCh(90, 39.767, 202.161)

Have a look what the booklet for
CIELCh(90, 39.767, 202.161)
contains.

CIELCh(90, 39.859, 202.269)	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(90, 39.859, 202.269)

Conversions

Conversions Part 1

Format	Color
Hex	64F7FE
RGB	100, 247, 254
RGB Percent	39%, 97%, 100%
CMY	0.6083, 0.0318, 0.0044
CMYK	0.61, 0.03, 0.00, 0.00
HSL	183°, 99%, 69%
HSV	183°, 61%, 100%
XYZ	56.3389, 76.3034, 105.4306
YIQ	203.8450, -89.8590, -28.9870

Conversions

Conversions Part 2

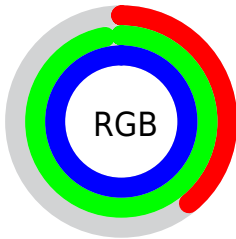
Format	Color
RYB	100, 175, 254
Decimal	6617086
CIELab	90.00, -36.89, -15.10
CIELCh	90, 39.859, 202.269
Yxy	76.3034, 0.2366, 0.3205
Android (android.graphics.Color)	4284807166 (0xFF64F7FE)
YUV	203.8450, 24.7264, -91.0721
Hunter-Lab	87.3518, -37.7392, -10.4147

Details

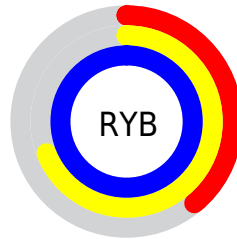
The CIELCh color **90, 39.859, 202.269** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **64, 64.376, 30.300**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.089, 197.686**, and **70, 39.299, 202.180** is the 20% darker color. If you saturate the color by 10%, you get **89, 43.184, 202.484**, and if you desaturate by 10%, it is **91, 35.442, 202.193**.

Distribution



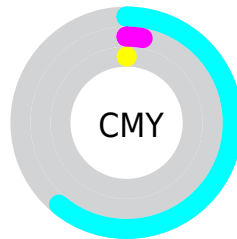
- Red (39%)
- Green (97%)
- Blue (100%)



- Red (39%)
- Yellow (69%)
- Blue (100%)



- Cyan (61%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 39.859, 202.269 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 90, 39.859, 202.269 by changing the saturation by 10% instead.


 90, 39.859,
202.269


 90, 39.859,
202.269


 100, 39.859,
202.269


 80, 39.859,
202.269

 70, 39.859,
202.269

 60, 39.859,
202.269

 50, 39.859,
202.269

 40, 39.859,
202.269

 30, 39.859,
202.269

 20, 39.859,

202.269

■ 10, 39.859,
202.269

■ 0, 39.859, 202.269

■ 90, 39.859,
202.269

■ 90, 39.859,
202.269

■ 89, 43.184,
202.484

■ 91, 35.442,
202.193

■ 88, 45.406,
202.856

■ 92, 30.008,
202.246

■ 88, 46.586,
203.394

■ 94, 23.665,
202.409

■ 87, 46.942,
204.031

■ 96, 16.550,
202.671

■ 97, 8.802, 203.031

■ 99, 0.559, 204.531

100, 0.535,
108.758

100, 0.552,
109.996

Harmonies

Complementary

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



90, 39.859, 202.269



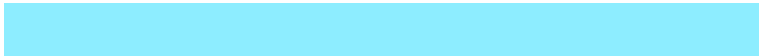
64, 64.376, 30.300

Rectangle

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



90, 39.859, 202.269



90, 39.859, 252.269



90, 39.859, 22.269



90, 39.859, 72.269

Sweetspot

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



90, 39.859, 202.267



96, 14.595, 202.756



89, 90.133, 139.869



51, 10.046, 202.663



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 39.859, 202.267



89, 43.951, 202.557



69, 47.505, 271.973



52, 4.725, 203.082



68, 37.970, 203.894



23, 17.587, 202.936

Inverse Universe

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



67, 88.172, 328.921



63, 100.422, 329.412



79, 54.434, 70.854



50, 8.781, 326.194



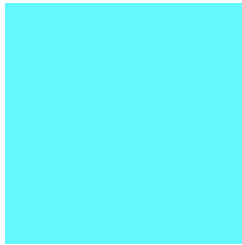
45, 89.818, 330.130



12, 41.499, 329.891

Previews

White Background



This preview shows how the CIE LCh color 90, 39.859, 202.269 looks on a white background.

Color Contrast Check

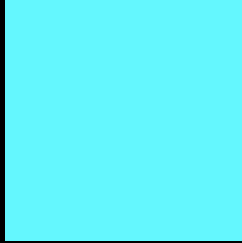
Large Text (above 18pt) WCAG AA × Fail

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 90, 39.859, 202.269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

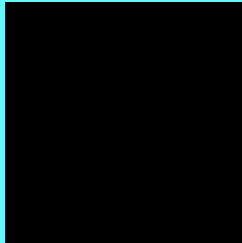
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 39.859, 202.269

Background



This preview shows how black text looks on a background with the CIELCh color 90, 39.859, 202.269.

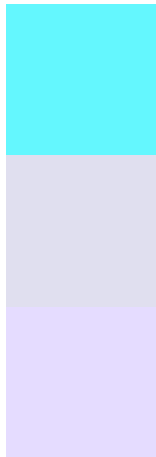


This preview shows how white text looks on a background with the CIELCh color 90, 39.859, 202.269.

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

90, 39.859, 202.269

Protanopia

89, 8.351, 293.249

Deuteranopia

89, 18.555, 301.097



Tritanopia
90, 28.252, 213.929

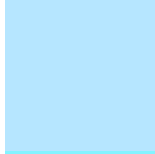
Trichromacy



Original Color
90, 39.859, 202.269



Protanomaly
89, 18.145, 218.659



Deuteranomaly
89, 19.739, 240.210

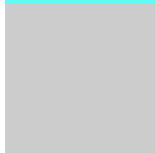


Tritanomaly
90, 32.933, 208.457

Monochromacy



Original Color
90, 39.859, 202.269



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 18.018, 201.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 39.859, 202.269 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(100, 247, 254)` looks like.

```
.text, #text, p{  
    color:rgb(100, 247, 254)  
}
```

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(100, 247, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 247, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 39.859, 202.269 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(100, 247, 254) }
```

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

```
.border{ border-color:rgb(100, 247, 254) }
```

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

Here you see how a box with a 4 pixel rgb(100, 247, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 247, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 247, 254);  
box-shadow:4px 4px 4px 4px rgb(100, 247,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 39.859, 202.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 247, 254) }
```

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

```
.background{ background-color: rgb(100,  
247, 254) }
```

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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