

Converting Colors

CIELCh(89, 40.118, 184.090)

Have a look what the booklet for
CIELCh(89, 40.118, 184.090)
contains.

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Color

CIELCh(89, 40.255, 184.024)

Conversions

Conversions Part 1

Format	Color
Hex	72F5E4
RGB	114, 245, 228
RGB Percent	45%, 96%, 89%
CMY	0.5547, 0.0409, 0.1076
CMYK	0.54, 0.00, 0.07, 0.04
HSL	172°, 86%, 70%
HSV	172°, 54%, 96%
XYZ	53.3434, 74.1641, 84.5916
YIQ	203.8930, -72.6190, -33.0590

Conversions

Conversions Part 2

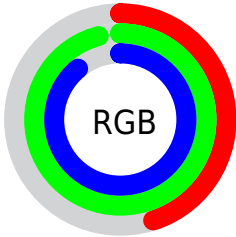
Format	Color
RYB	114, 184, 245
Decimal	7534052
CIELab	89.00, -40.16, -2.82
CIELCh	89, 40.255, 184.024
Yxy	74.1641, 0.2515, 0.3497
Android (android.graphics.Color)	4285724132 (0xFF72F5E4)
YUV	203.8930, 11.8848, -78.8362
Hunter-Lab	86.1186, -40.1415, 2.0443

Details

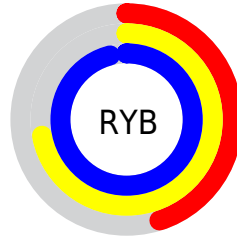
The CIELCh color **89, 40.255, 184.024** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **64, 53.969, 16.518**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 25.386, 197.852**, and **69, 40.128, 184.351** is the 20% darker color. If you saturate the color by 10%, you get **88, 45.337, 182.981**, and if you desaturate by 10%, it is **90, 34.216, 184.996**.

Distribution



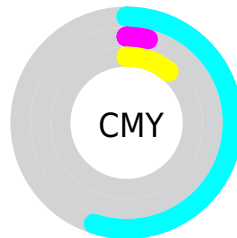
- Red (45%)
- Green (96%)
- Blue (89%)



- Red (45%)
- Yellow (72%)
- Blue (96%)



- Cyan (54%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)





- Cyan (55%)
- Magenta (4%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 40.255, 184.024 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, 40.255, 184.024 by changing the saturation by 10% instead.


 89, 40.255,
184.024

 89, 40.255,
184.024


 100, 40.255,
184.024


 79, 40.255,
184.024

 69, 40.255,
184.024

 59, 40.255,
184.024

 49, 40.255,
184.024

 39, 40.255,
184.024


 29, 40.255,
184.024


 19, 40.255,


184.024


 9, 40.255, 184.024

 0, 40.255, 184.024


 89, 40.255,
184.024


 89, 40.255,
184.024


 88, 45.337,
182.981

 90, 34.216,
184.996


 88, 49.386,
181.853

 91, 27.337,
185.921


 87, 52.390,
180.617

 92, 19.763,
186.811

 87, 54.420,
179.254

 94, 11.641,
187.685

 87, 55.350,

 96, 3.117, 188.658

178.328

 97, 3.845, 3.822

 97, 4.562, 343.921

 97, 5.666, 330.604

 97, 6.498, 324.620

Harmonies

Complementary

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



89, 40.255, 184.024



64, 53.969, 16.518

Rectangle

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



89, 40.255, 184.024



89, 40.255, 234.024



89, 40.255, 4.024



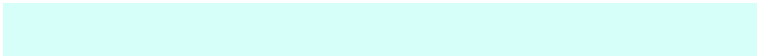
89, 40.255, 54.024

Sweetspot

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



89, 40.255, 184.022



97, 14.122, 187.470



88, 77.444, 137.194



51, 9.492, 187.290



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, 40.255, 184.022



92, 47.061, 182.920



76, 33.710, 248.954



50, 4.915, 188.048



68, 44.979, 178.591



21, 19.599, 180.683

Inverse Universe

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



64, 53.969, 16.518



62, 67.137, 19.541



74, 45.534, 55.396



48, 5.144, 9.522



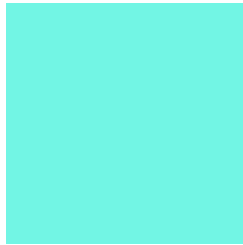
39, 76.869, 34.231



8, 30.293, 19.733

Previews

White Background



This preview shows how the CIE LCh color 89, 40.255, 184.024 looks on a white background.

Color Contrast Check

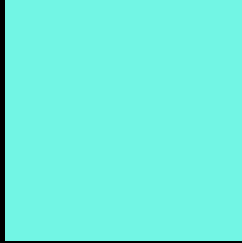
Large Text (above 18pt) WCAG AA × Fail

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, 40.255, 184.024 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, 40.255, 184.024

Background



This preview shows how black text looks on a background with the CIELCh color 89, 40.255, 184.024.

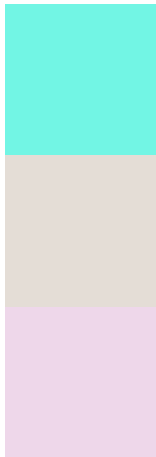


This preview shows how white text looks on a background with the CIELCh color 89, 40.255, 184.024.

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, 40.255, 184.024

Protanopia
88, 4.426, 74.582

Deuteranopia
88, 12.907, 330.199



Tritanopia
89, 29.763, 215.161

Trichromacy



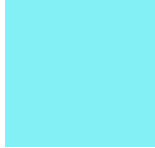
Original Color
89, 40.255, 184.024



Protanomaly
88, 16.388, 177.743



Deuteranomaly
88, 11.571, 214.508

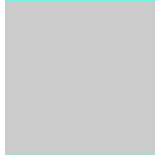


Tritanomaly
89, 32.433, 202.021

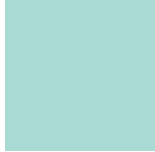
Monochromacy



Original Color
89, 40.255, 184.024



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 16.853, 187.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 40.255, 184.024 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(114, 245, 228)` looks like.

```
.text, #text, p{  
    color:rgb(114, 245, 228)  
}
```

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(114, 245, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 245, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 40.255, 184.024 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(114, 245, 228) }
```

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

```
.border{ border-color:rgb(114, 245, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 245, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 245, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 245, 228); box-shadow:4px 4px 4px 4px rgb(114, 245, 228) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 40.255, 184.024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 245, 228) }
```

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

```
.background{ background-color: rgb(114,  
245, 228) }
```

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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