

Converting Colors

CIELCh(89, 42.265, 203.295)

Have a look what the booklet for
CIELCh(89, 42.265, 203.295)
contains.

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Color

CIELCh(89, 42.299, 203.269)

Conversions

Conversions Part 1

Format	Color
Hex	50F5FE
RGB	80, 245, 254
RGB Percent	31%, 96%, 100%
CMY	0.6863, 0.0392, 0.0039
CMYK	0.69, 0.04, 0.00, 0.00
HSL	183°, 99%, 65%
HSV	183°, 69%, 100%
XYZ	53.8484, 74.1641, 105.2408
YIQ	196.6910, -101.2290, -32.1810

Conversions

Conversions Part 2

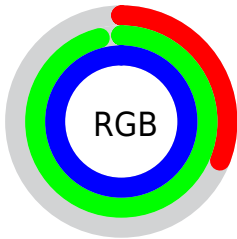
Format	Color
R_{YB}	80, 165, 254
Decimal	5305854
CIE _{Lab}	89.00, -38.86, -16.71
CIE _{LCh}	89, 42.299, 203.269
Yxy	74.1641, 0.2309, 0.3180
Android (android.graphics.Color)	4283495934 (0xFF50F5FE)
YUV	196.6910, 28.2533, -102.3380
Hunter-Lab	86.1186, -39.0948, -12.1720

Details

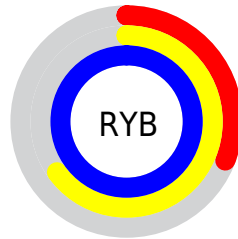
The CIELCh color **89, 42.299, 203.269** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **61, 73.689, 32.591**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 31.890, 197.456**, and **69, 38.803, 203.953** is the 20% darker color. If you saturate the color by 10%, you get **88, 44.730, 203.681**, and if you desaturate by 10%, it is **90, 38.762, 203.021**.

Distribution



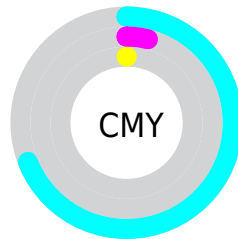
- Red (31%)
- Green (96%)
- Blue (100%)



- Red (31%)
- Yellow (65%)
- Blue (100%)



- Cyan (69%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 42.299, 203.269 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 89, 42.299, 203.269 by changing the saturation by 10% instead.

 89, 42.299,
203.269

 89, 42.299,
203.269

 100, 42.299,
203.269


 79, 42.299,
203.269

 69, 42.299,
203.269

 59, 42.299,
203.269

 49, 42.299,
203.269

 39, 42.299,
203.269

 29, 42.299,
203.269

 19, 42.299,

203.269

■ 9, 42.299, 203.269

■ 0, 42.299, 203.269

■ 89, 42.299,
203.269

■ 89, 42.299,
203.269

■ 88, 44.730,
203.681

■ 90, 38.762,
203.021

■ 88, 46.100,
204.276

■ 91, 34.150,
202.925

■ 87, 46.566,
205.049

■ 93, 28.544,
202.960

■ 87, 46.601,
205.172

■ 94, 22.062,
203.110

■ 96, 14.841,

203.362

■ 98, 7.020, 203.725

■ 100, 0.295, 36.858

■ 100, 0.496,
109.985

Harmonies

Complementary

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



89, 42.299, 203.269



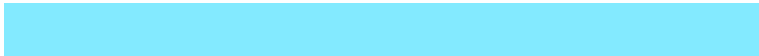
61, 73.689, 32.591

Rectangle

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



89, 42.299, 203.269



89, 42.299, 253.269



89, 42.299, 23.269



89, 42.299, 73.269

Sweetspot

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



89, 42.298, 203.268



96, 16.759, 203.290



89, 98.216, 139.295



51, 11.235, 203.217



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, 42.298, 203.268



88, 45.463, 203.869



64, 54.950, 276.405



52, 4.697, 203.680



67, 37.686, 205.012



22, 17.467, 203.904

Inverse Universe

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



64, 95.828, 329.460



61, 105.948, 329.946



78, 62.151, 71.219



50, 8.744, 326.373



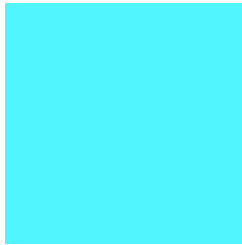
45, 89.376, 330.407



12, 41.319, 330.132

Previews

White Background



This preview shows how the CIE LCh color 89, 42.299, 203.269 looks on a white background.

Color Contrast Check

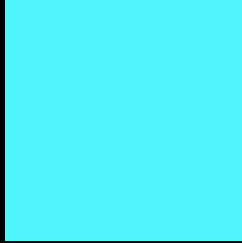
Large Text (above 18pt) WCAG AA × Fail

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 89, 42.299, 203.269 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 89, 42.299, 203.269

Background



This preview shows how black text looks on a background with the CIELCh color 89, 42.299, 203.269.



This preview shows how white text looks on a background with the CIELCh color 89, 42.299, 203.269.

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



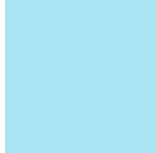


Tritanopia
89, 32.123, 212.712

Trichromacy



Original Color
89, 42.299, 203.269



Protanomaly
88, 20.205, 221.271



Deuteranomaly
87, 22.175, 240.148

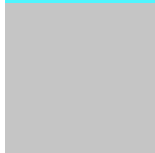


Tritanomaly
89, 36.289, 208.958

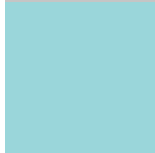
Monochromacy



Original Color
89, 42.299, 203.269



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 19.821, 204.242

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 42.299, 203.269 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(80, 245, 254)` looks like.

```
.text, #text, p{  
    color:rgb(80, 245, 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(80, 245, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 245, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 42.299, 203.269 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(80, 245, 254) }
```

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

```
.border{ border-color:rgb(80, 245, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 245, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 245, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 245, 254);  
box-shadow:4px 4px 4px 4px rgb(80, 245,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 42.299, 203.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 245, 254) }
```

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

```
.background{ background-color: rgb(80, 245,  
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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