

Converting Colors

CIELCh(76, 39.897, 218.113)

Have a look what the booklet for
CIELCh(76, 39.897, 218.113)
contains.

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Color

CIELCh(76, 39.907, 218.594)

Conversions

Conversions Part 1

Format	Color
Hex	21CDE8
RGB	33, 205, 232
RGB Percent	13%, 80%, 91%
CMY	0.8691, 0.1956, 0.0897
CMYK	0.86, 0.12, 0.00, 0.09
HSL	188°, 81%, 52%
HSV	188°, 86%, 91%
XYZ	37.0847, 49.8872, 84.1166
YIQ	156.6500, -111.1790, -28.0670

Conversions

Conversions Part 2

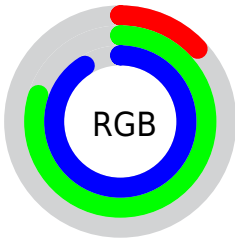
Format	Color
RYB	33, 125, 232
Decimal	2215400
CIELab	76.00, -31.19, -24.89
CIElCh	76, 39.907, 218.594
Yxy	49.8872, 0.2168, 0.2916
Android (android.graphics.Color)	4280405480 (0xFF21CDE8)
YUV	156.6500, 37.1475, -108.4411
Hunter-Lab	70.6309, -29.8828, -21.1687

Details

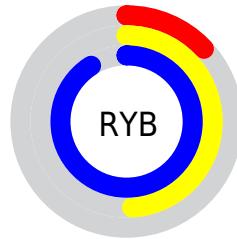
The CIELCh color **76, 39.907, 218.594** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **52, 83.791, 40.113**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **57, 33.022, 224.059** is the 20% darker color. If you saturate the color by 10%, you get **75, 40.576, 220.925**, and if you desaturate by 10%, it is **77, 38.404, 216.726**.

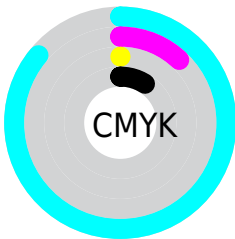
Distribution



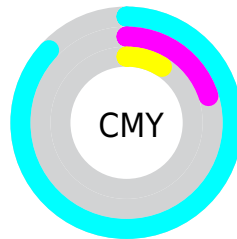
- Red (13%)
- Green (80%)
- Blue (91%)



- Red (13%)
- Yellow (49%)
- Blue (91%)



- Cyan (86%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)





- Cyan (87%)
- Magenta (20%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 39.907, 218.594 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 76, 39.907, 218.594 by changing the saturation by 10% instead.

 76, 39.907,
218.594

 76, 39.907,
218.594


 100, 39.907,
218.594


 66, 39.907,
218.594


 96, 39.907,
218.594

 56, 39.907,
218.594

 46, 39.907,
218.594

 36, 39.907,
218.594

 26, 39.907,
218.594

 16, 39.907,
218.594

 6, 39.907, 218.594

■ 0, 39.907, 218.594

■ 76, 39.907,
218.594

■ 76, 39.907,
218.594

■ 75, 40.576,
220.925

■ 77, 38.404,
216.726

■ 74, 40.720,
222.048

■ 79, 35.969,
215.280

■ 80, 32.583,
214.196

■ 82, 28.290,
213.415

■ 84, 23.176,
212.885

■ 86, 17.353,
212.559

■ 88, 10.938,
212.406

■ 91, 4.047, 212.455

■ 93, 3.215, 32.160

Harmonies

Complementary

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



76, 39.907, 218.594



52, 83.791, 40.113

Rectangle

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



76, 39.907, 218.594



76, 39.907, 268.594



76, 39.907, 38.594



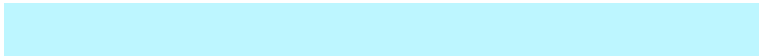
76, 39.907, 88.594

Sweetspot

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



76, 39.906, 218.593



93, 18.965, 212.572



81, 101.160, 138.962



49, 12.686, 212.667



0, 0.000, 0.000



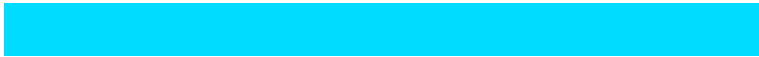
53, 0.007, 296.813

Same Dimension

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



76, 39.906, 218.593



81, 43.709, 222.199



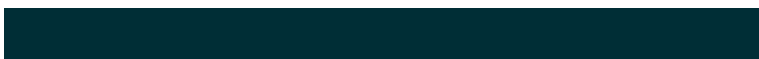
48, 73.990, 289.760



48, 4.081, 212.399



59, 33.831, 221.583



17, 14.623, 217.421

Inverse Universe

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



55, 94.227, 333.643



58, 103.691, 334.642



71, 71.419, 75.627



46, 7.702, 328.923



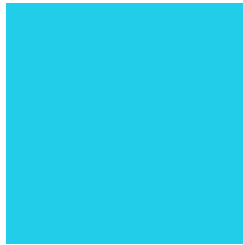
42, 80.360, 334.488



9, 34.946, 333.454

Previews

White Background



This preview shows how the CIE LCh color 76, 39.907, 218.594 looks on a white background.

Color Contrast Check

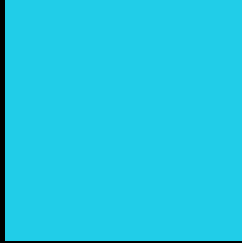
Large Text (above 18pt) WCAG AA × Fail

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 76, 39.907, 218.594 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 76, 39.907, 218.594

Background



This preview shows how black text looks on a background with the CIELCh color 76, 39.907, 218.594.



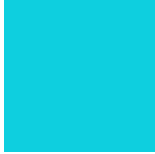
This preview shows how white text looks on a background with the CIELCh color 76, 39.907, 218.594.

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



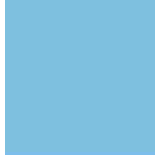


Tritanopia
76, 40.965, 208.977

Trichromacy



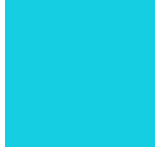
Original Color
76, 39.907, 218.594



Protanomaly
74, 25.553, 239.609



Deuteranomaly
74, 30.132, 252.969

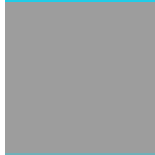


Tritanomaly
76, 40.480, 212.405

Monochromacy



Original Color
76, 39.907, 218.594



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 20.962, 211.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 39.907, 218.594 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(33, 205, 232)` looks like.

```
.text, #text, p{  
    color:rgb(33, 205, 232)  
}
```

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(33, 205, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 205, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 39.907, 218.594 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(33, 205, 232) }
```

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

```
.border{ border-color:rgb(33, 205, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 205, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 205, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 205, 232);  
box-shadow:4px 4px 4px 4px rgb(33, 205,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 39.907, 218.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 205, 232) }
```

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

```
.background{ background-color: rgb(33, 205,  
232) }
```

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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