

Converting Colors

CIELCh(73, 40.086, 226.688)

Have a look what the booklet for
CIELCh(73, 40.086, 226.688)
contains.

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Color

CIELCh(73, 40.158, 227.554)

Conversions

Conversions Part 1

Format	Color
Hex	12C3E8
RGB	18, 195, 232
RGB Percent	7%, 76%, 91%
CMY	0.9308, 0.2339, 0.0887
CMYK	0.92, 0.16, 0.00, 0.09
HSL	190°, 86%, 49%
HSV	190°, 92%, 91%
XYZ	34.4567, 45.1644, 83.5224
YIQ	146.2950, -117.3690, -26.0170

Conversions

Conversions Part 2

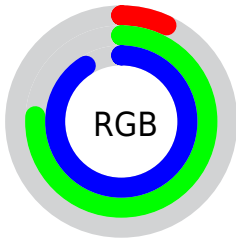
Format	Color
R_{YB}	18, 115, 232
Decimal	1229800
CIE _{Lab}	73.00, -27.10, -29.63
CIE _{LCh}	73, 40.158, 227.554
Yxy	45.1644, 0.2112, 0.2768
Android (android.graphics.Color)	4279419880 (0xFF12C3E8)
YUV	146.2950, 42.2526, -112.5147
Hunter-Lab	67.2044, -26.0882, -26.6431

Details

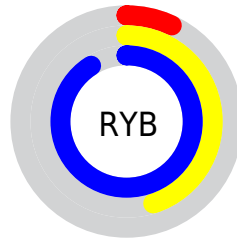
The CIELCh color **73, 40.158, 227.554** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **52, 88.615, 42.170**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 38.903, 199.347**, and **54, 33.240, 235.167** is the 20% darker color. If you saturate the color by 10%, you get **72, 40.621, 230.076**, and if you desaturate by 10%, it is **74, 39.060, 224.670**.

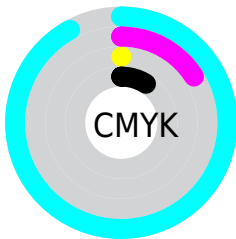
Distribution



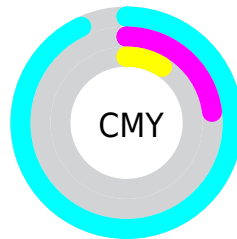
- Red (7%)
- Green (76%)
- Blue (91%)



- Red (7%)
- Yellow (45%)
- Blue (91%)



- Cyan (92%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)





- Cyan (93%)
- Magenta (23%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 40.158, 227.554 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 73, 40.158, 227.554 by changing the saturation by 10% instead.


 73, 40.158,
227.554


 73, 40.158,
227.554


 100, 40.158,
227.554


 63, 40.158,
227.554


 93, 40.158,
227.554

 53, 40.158,
227.554

 43, 40.158,
227.554

 33, 40.158,
227.554

 23, 40.158,
227.554

 13, 40.158,
227.554

 3, 40.158, 227.554

■ 0, 40.158, 227.554

■ 73, 40.158,
227.554

■ 73, 40.158,
227.554

■ 72, 40.621,
230.076

■ 74, 39.060,
224.670

■ 76, 37.159,
222.355

■ 78, 34.368,
220.546

■ 80, 30.686,
219.166

■ 82, 26.165,
218.142

■ 84, 20.896,
217.407

■ 86, 14.989,
216.908

■ 89, 8.554, 216.608

■ 91, 1.700, 216.709

Harmonies

Complementary

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



73, 40.158, 227.554



52, 88.615, 42.170

Rectangle

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



73, 40.158, 227.554



73, 40.158, 277.554



73, 40.158, 47.554



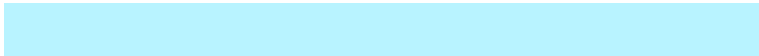
73, 40.158, 97.554

Sweetspot

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



73, 40.157, 227.554



92, 19.795, 217.169



81, 103.576, 138.711



48, 13.438, 217.412



0, 0.000, 0.000



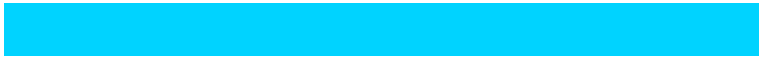
53, 0.007, 296.813

Same Dimension

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



73, 40.157, 227.554



78, 43.585, 230.270



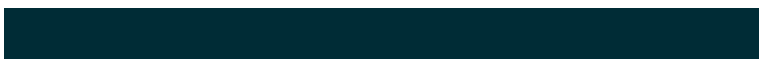
43, 85.020, 294.476



48, 3.980, 216.561



57, 33.685, 229.469



16, 14.441, 224.005

Inverse Universe

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



54, 93.437, 335.974



58, 100.776, 336.717



71, 74.873, 77.095



46, 7.506, 330.133



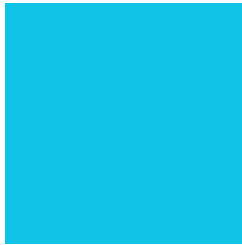
41, 78.143, 336.506



9, 34.113, 335.097

Previews

White Background



This preview shows how the CIE LCh color 73, 40.158, 227.554 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 73, 40.158, 227.554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

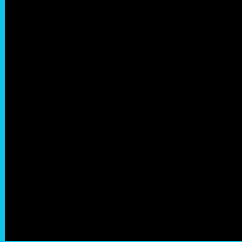
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 40.158, 227.554

Background



This preview shows how black text looks on a background with the CIELCh color 73, 40.158, 227.554.

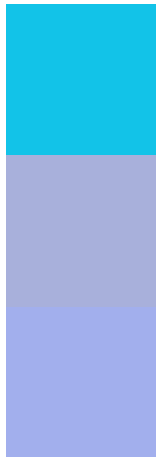


This preview shows how white text looks on a background with the CIELCh color 73, 40.158, 227.554.

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

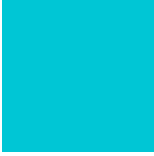
73, 40.096, 227.610

Protanopia

73, 23.472, 285.902

Deuteranopia

73, 33.834, 286.446



Tritanopia
73, 39.990, 208.554

Trichromacy



Original Color
73, 40.096, 227.610



Protanomaly
71, 29.478, 248.185



Deuteranomaly
71, 34.272, 256.713



Tritanomaly
73, 39.606, 215.437

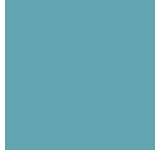
Monochromacy



Original Color
73, 40.096, 227.610



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 21.765, 217.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 40.158, 227.554 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(18, 195, 232)` looks like.

```
.text, #text, p{  
    color:rgb(18, 195, 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(18, 195, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 195, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 40.158, 227.554 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(18, 195, 232) }
```

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

```
.border{ border-color:rgb(18, 195, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 195, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 195, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 195, 232);  
box-shadow:4px 4px 4px 4px rgb(18, 195,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 40.158, 227.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 195, 232) }
```

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

```
.background{ background-color: rgb(18, 195,  
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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