

Converting Colors

CIELCh(70, 37.222, 226.321)

Have a look what the booklet for
CIELCh(70, 37.222, 226.321)
contains.

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Color

CIELCh(70, 37.234, 226.597)

Conversions

Conversions Part 1

Format	Color
Hex	27BADB
RGB	39, 186, 219
RGB Percent	15%, 73%, 86%
CMY	0.8456, 0.2699, 0.1405
CMYK	0.82, 0.15, 0.00, 0.14
HSL	191°, 72%, 51%
HSV	191°, 82%, 86%
XYZ	31.2524, 40.7494, 73.3538
YIQ	145.8090, -98.2050, -20.9010

Conversions

Conversions Part 2

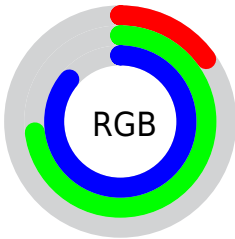
Format	Color
RYB	39, 120, 219
Decimal	2603739
CIELab	70.00, -25.58, -27.05
CIELCh	70, 37.234, 226.597
Yxy	40.7494, 0.2150, 0.2803
Android (android.graphics.Color)	4280793819 (0xFF27BADB)
YUV	145.8090, 36.0832, -93.6715
Hunter-Lab	63.8353, -24.3220, -23.4461

Details

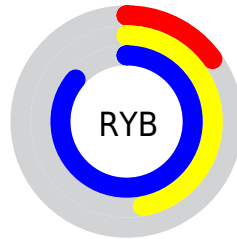
The CIELCh color **70, 37.234, 226.597** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **52, 74.699, 41.718**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 35.562, 208.361**, and **51, 31.415, 232.802** is the 20% darker color. If you saturate the color by 10%, you get **69, 38.398, 229.637**, and if you desaturate by 10%, it is **72, 35.319, 224.148**.

Distribution



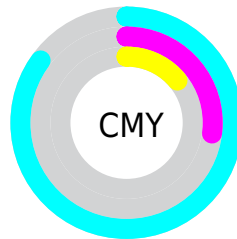
- Red (15%)
- Green (73%)
- Blue (86%)



- Red (15%)
- Yellow (47%)
- Blue (86%)



- Cyan (82%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)





- Cyan (85%)
- Magenta (27%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 37.234, 226.597 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 70, 37.234, 226.597 by changing the saturation by 10% instead.


 70, 37.234,
226.597


 70, 37.234,
226.597


 100, 37.234,
226.597


 60, 37.234,
226.597


 90, 37.234,
226.597

 50, 37.234,
226.597

 40, 37.234,
226.597

 30, 37.234,
226.597

 20, 37.234,
226.597

 10, 37.234,
226.597

 0, 37.234, 226.597

70, 37.234,
226.597

70, 37.234,
226.597

69, 38.398,
229.637

72, 35.319,
224.148

68, 38.966,
232.419

73, 32.580,
222.226

75, 29.011,
220.751

77, 24.665,
219.647

79, 19.625,
218.842

82, 13.995,
218.282

84, 7.876, 217.929

87, 1.369, 218.044

Harmonies

Complementary

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



70, 37.234, 226.597



52, 74.699, 41.718

Rectangle

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



70, 37.234, 226.597



70, 37.234, 276.597



70, 37.234, 46.597



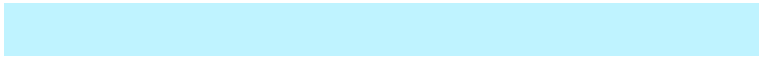
70, 37.234, 96.597

Sweetspot

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



70, 37.233, 226.597



93, 17.757, 218.436



77, 91.485, 140.779



49, 11.962, 218.634



0, 0.000, 0.000



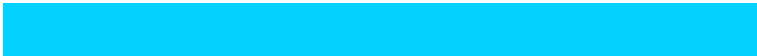
53, 0.007, 296.813

Same Dimension

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



70, 37.233, 226.597



78, 43.565, 232.036



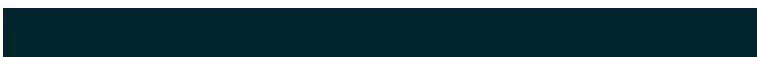
44, 73.034, 291.628



45, 3.741, 217.874



54, 32.690, 231.784



13, 13.108, 224.932

Inverse Universe

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



52, 85.871, 335.629



58, 99.845, 337.183



70, 67.103, 80.813



43, 7.045, 330.511



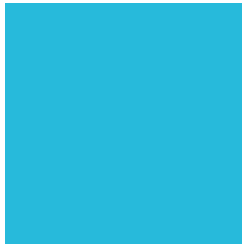
39, 75.078, 337.121



6, 30.369, 335.284

Previews

White Background



This preview shows how the CIE LCh color 70, 37.234, 226.597 looks on a white background.

Color Contrast Check

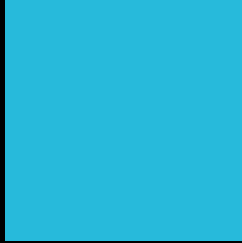
Large Text (above 18pt) WCAG AA × Fail

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 70, 37.234, 226.597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

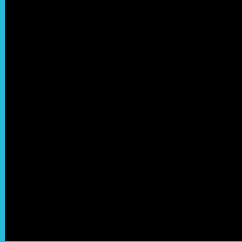
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 37.234, 226.597

Background



This preview shows how black text looks on a background with the CIELCh color 70, 37.234, 226.597.

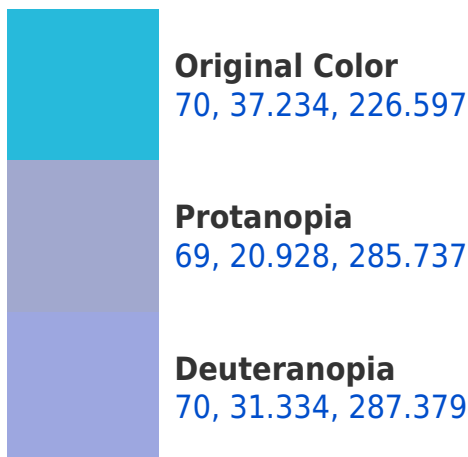


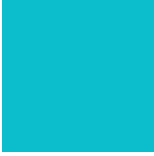
This preview shows how white text looks on a background with the CIELCh color 70, 37.234, 226.597.

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
70, 38.255, 209.247

Trichromacy



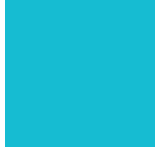
Original Color
70, 37.234, 226.597



Protanomaly
69, 25.871, 248.803



Deuteranomaly
69, 30.872, 257.990



Tritanomaly
70, 37.680, 215.747

Monochromacy



Original Color
70, 37.234, 226.597



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 18.859, 219.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 37.234, 226.597 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(39, 186, 219)` looks like.

```
.text, #text, p{  
    color:rgb(39, 186, 219)  
}
```

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(39, 186, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 186, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 37.234, 226.597 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(39, 186, 219) }
```

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

```
.border{ border-color:rgb(39, 186, 219) }
```

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

Here you see how a box with a 4 pixel rgb(39, 186, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 186, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 186, 219);  
box-shadow:4px 4px 4px 4px rgb(39, 186,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 37.234, 226.597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 186, 219) }
```

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

```
.background{ background-color: rgb(39, 186,  
219) }
```

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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