

Converting Colors

CIELCh(70, 37.716, 234.171)

Have a look what the booklet for
CIELCh(70, 37.716, 234.171)
contains.

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Color

CIELCh(70, 37.760, 234.377)

Conversions

Conversions Part 1

Format	Color
Hex	30B9E2
RGB	48, 185, 226
RGB Percent	19%, 73%, 89%
CMY	0.8126, 0.2750, 0.1143
CMYK	0.79, 0.18, 0.00, 0.11
HSL	194°, 75%, 54%
HSV	194°, 79%, 89%
XYZ	32.2382, 40.7494, 78.0205
YIQ	148.7110, -94.8130, -16.2930

Conversions

Conversions Part 2

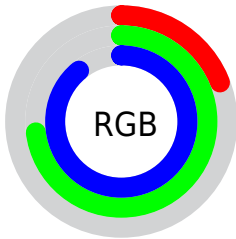
Format	Color
RYB	48, 125, 226
Decimal	3193314
CIELab	70.00, -21.99, -30.69
CIElCh	70, 37.760, 234.377
Yxy	40.7494, 0.2135, 0.2698
Android (android.graphics.Color)	4281383394 (0xFF30B9E2)
YUV	148.7110, 38.1035, -88.3235
Hunter-Lab	63.8353, -21.5654, -27.7805

Details

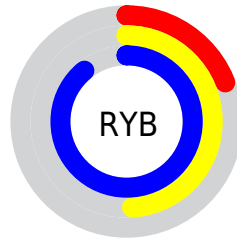
The CIELCh color **70, 37.760, 234.377** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **56, 71.482, 44.070**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 34.369, 209.730**, and **51, 33.153, 241.356** is the 20% darker color. If you saturate the color by 10%, you get **68, 39.566, 237.984**, and if you desaturate by 10%, it is **72, 35.268, 231.441**.

Distribution



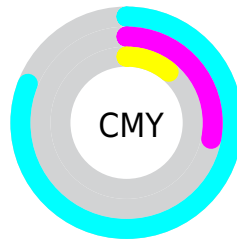
- Red (19%)
- Green (73%)
- Blue (89%)



- Red (19%)
- Yellow (49%)
- Blue (89%)



- Cyan (79%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)





- Cyan (81%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 37.760, 234.377 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, 37.760, 234.377 by changing the saturation by 10% instead.


 70, 37.760,
234.377


 70, 37.760,
234.377


 100, 37.760,
234.377


 60, 37.760,
234.377


 90, 37.760,
234.377

 50, 37.760,
234.377

 40, 37.760,
234.377

 30, 37.760,
234.377

 20, 37.760,
234.377

 10, 37.760,
234.377

 0, 37.760, 234.377

70, 37.760,
234.377

70, 37.760,
234.377

68, 39.566,
237.984

72, 35.268,
231.441

66, 40.887,
242.222

74, 32.021,
229.107

66, 41.038,
242.719

76, 28.017,
227.285

79, 23.310,
225.884

82, 17.982,
224.825

84, 12.129,
224.043

87, 5.847, 223.509

90, 0.775, 42.232

Harmonies

Complementary

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



70, 37.760, 234.377



56, 71.482, 44.070

Rectangle

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



70, 37.760, 234.377



70, 37.760, 284.377



70, 37.760, 54.377



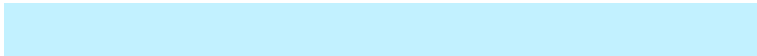
70, 37.760, 104.377

Sweetspot

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



70, 37.759, 234.377



92, 16.767, 224.428



79, 89.220, 142.230



48, 11.383, 224.727



0, 0.000, 0.000



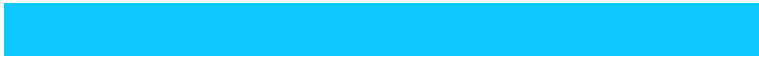
53, 0.007, 296.813

Same Dimension

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



70, 37.759, 234.377



75, 44.373, 240.823



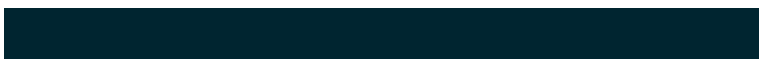
45, 75.388, 292.567



46, 3.727, 223.533



52, 33.936, 241.910



13, 13.616, 233.833

Inverse Universe

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



54, 83.765, 337.685



58, 96.413, 339.661



74, 67.692, 84.167



44, 6.946, 332.181



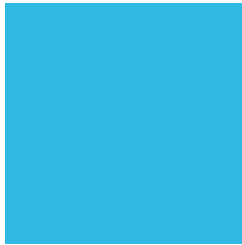
40, 73.327, 339.999



7, 30.749, 337.673

Previews

White Background



This preview shows how the CIELCh color 70, 37.760, 234.377 looks on a white background.

Color Contrast Check

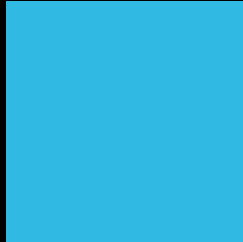
Large Text (above 18pt) WCAG AA × Fail

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, 37.760, 234.377 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, 37.760, 234.377

Background



This preview shows how black text looks on a background with the CIELCh color 70, 37.760, 234.377.

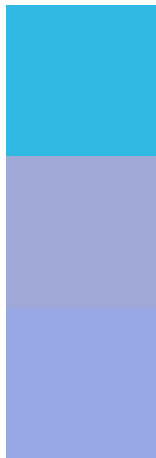


This preview shows how white text looks on a background with the CIELCh color 70, 37.760, 234.377.

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

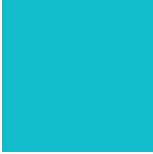
70, 37.760, 234.377

Protanopia

70, 25.324, 285.920

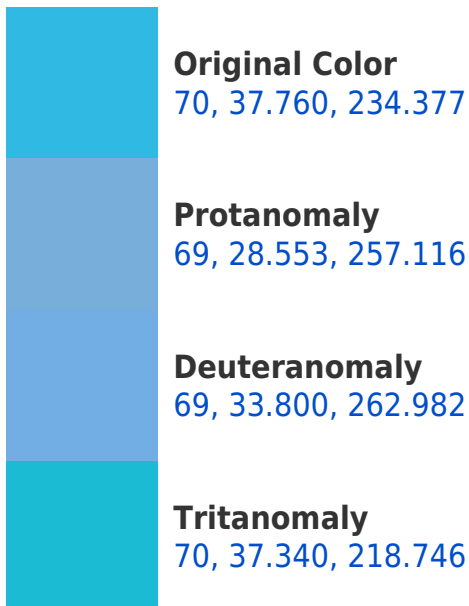
Deuteranopia

69, 34.711, 285.821



Tritanopia
70, 38.074, 209.320

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 37.760, 234.377 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(48, 185, 226)` looks like.

```
.text, #text, p{  
    color:rgb(48, 185, 226)  
}
```

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(48, 185, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 185, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 37.760, 234.377 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(48, 185, 226) }
```

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

```
.border{ border-color:rgb(48, 185, 226) }
```

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

Here you see how a box with a 4 pixel rgb(48, 185, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 185, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 185, 226);  
box-shadow:4px 4px 4px 4px rgb(48, 185,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 37.760, 234.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 185, 226) }
```

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

```
.background{ background-color: rgb(48, 185,  
226) }
```

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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