

Converting Colors

CIELCh(71, 37.976, 238.914)

Have a look what the booklet for
CIELCh(71, 37.976, 238.914)
contains.

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Color

CIELCh(71, 37.897, 238.526)

Conversions

Conversions Part 1

Format	Color
Hex	3CBBE8
RGB	60, 187, 232
RGB Percent	24%, 73%, 91%
CMY	0.7663, 0.2677, 0.0913
CMYK	0.74, 0.19, 0.00, 0.09
HSL	196°, 79%, 57%
HSV	196°, 74%, 91%
XYZ	34.0798, 42.1875, 82.4866
YIQ	154.1570, -90.1370, -12.9290

Conversions

Conversions Part 2

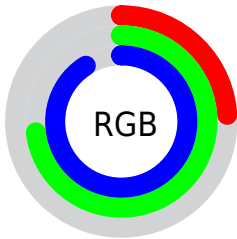
Format	Color
RYB	60, 133, 232
Decimal	3980264
CIELab	71.00, -19.79, -32.32
CIELCh	71, 37.897, 238.526
Yxy	42.1875, 0.2147, 0.2657
Android (android.graphics.Color)	4282170344 (0xFF3CBBE8)
YUV	154.1570, 38.3766, -82.5757
Hunter-Lab	64.9519, -20.0082, -29.8299

Details

The CIELCh color **71, 37.897, 238.526** 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 **59, 66.998, 45.926**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 33.147, 208.373**, and **52, 34.206, 243.696** is the 20% darker color. If you saturate the color by 10%, you get **69, 40.362, 242.227**, and if you desaturate by 10%, it is **73, 34.775, 235.508**.

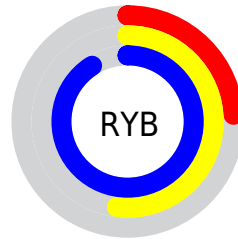
Distribution



Red (24%)

Green (73%)

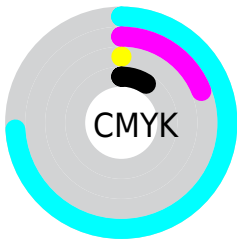
Blue (91%)



Red (24%)

Yellow (52%)

Blue (91%)

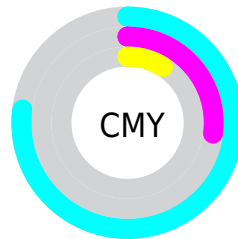


Cyan (74%)

Magenta (19%)

Yellow (0%)

Black (9%)



Cyan (77%)


Magenta (27%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 37.897, 238.526 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 71, 37.897, 238.526 by changing the saturation by 10% instead.


 71, 37.897,
238.526


 71, 37.897,
238.526


 100, 37.897,
238.526


 61, 37.897,
238.526


 91, 37.897,
238.526

 51, 37.897,
238.526

 41, 37.897,
238.526

 31, 37.897,
238.526

 21, 37.897,
238.526

 11, 37.897,
238.526

 1, 37.897, 238.526

■ 0, 37.897, 238.526

■ 71, 37.897,
238.526

■ 71, 37.897,
238.526

■ 69, 40.362,
242.227

■ 73, 34.775,
235.508

■ 67, 42.313,
246.628

■ 76, 30.947,
233.098

■ 66, 43.331,
249.344

■ 79, 26.427,
231.204

■ 81, 21.275,
229.731

■ 84, 15.574,
228.601

■ 87, 9.416, 227.752

■ 91, 2.889, 227.230

■ 94, 3.926, 46.380

■ 96, 6.939, 63.960

Harmonies

Complementary

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



71, 37.897, 238.526



59, 66.998, 45.926

Rectangle

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



71, 37.897, 238.526



71, 37.897, 288.526



71, 37.897, 58.526



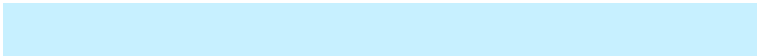
71, 37.897, 108.526

Sweetspot

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



71, 37.896, 238.526



93, 15.349, 228.395



82, 85.129, 144.031



48, 10.230, 228.657



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 37.896, 238.526



74, 44.536, 244.425



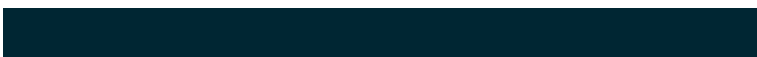
47, 75.651, 292.969



47, 3.760, 227.440



51, 35.448, 248.446



13, 14.290, 240.021

Inverse Universe

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



56, 81.286, 338.822



58, 93.699, 340.748



78, 67.168, 87.548



45, 6.920, 333.362



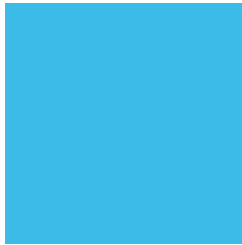
40, 72.496, 342.088



8, 31.268, 339.436

Previews

White Background



This preview shows how the CIELCh color 71, 37.897, 238.526 looks on a white background.

Color Contrast Check

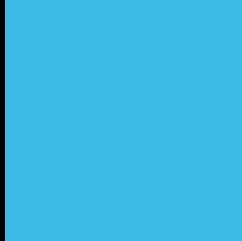
Large Text (above 18pt) WCAG AA × Fail

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 71, 37.897, 238.526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

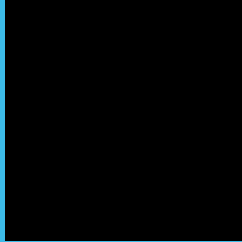
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 37.897, 238.526

Background



This preview shows how black text looks on a background with the CIELCh color 71, 37.897, 238.526.

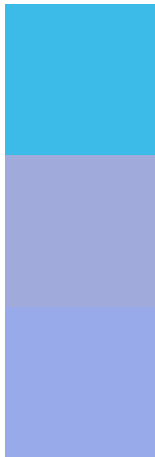


This preview shows how white text looks on a background with the CIELCh color 71, 37.897, 238.526.

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

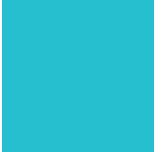
71, 37.897, 238.526

Protanopia

71, 26.924, 285.122

Deuteranopia

71, 35.740, 285.170



Tritanopia
71, 37.189, 210.566

Trichromacy



Original Color
71, 37.897, 238.526



Protanomaly
70, 29.641, 259.610



Deuteranomaly
70, 34.884, 265.242



Tritanomaly
71, 36.569, 221.172

Monochromacy



Original Color
71, 37.897, 238.526



Achromatopsia
64, 0.008, 296.813



Achromatomaly
65, 17.425, 229.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 37.897, 238.526 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(60, 187, 232)` looks like.

```
.text, #text, p{  
    color:rgb(60, 187, 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(60, 187, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 187, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 37.897, 238.526 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(60, 187, 232) }
```

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

```
.border{ border-color:rgb(60, 187, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 187, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 187, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 187, 232);  
box-shadow:4px 4px 4px 4px rgb(60, 187,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 37.897, 238.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 187, 232) }
```

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

```
.background{ background-color: rgb(60, 187,  
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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