

Converting Colors

CIELCh(71, 32.774, 237.540)

Have a look what the booklet for
CIELCh(71, 32.774, 237.540)
contains.

CIELCh(71, 32.774, 237.540)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 32.774, 237.540)

Conversions

Conversions Part 1

Format	Color
Hex	57B9DF
RGB	87, 185, 223
RGB Percent	34%, 73%, 87%
CMY	0.6576, 0.2735, 0.1245
CMYK	0.61, 0.17, 0.00, 0.12
HSL	197°, 68%, 61%
HSV	197°, 61%, 88%
XYZ	34.7159, 42.1875, 76.3119
YIQ	160.0300, -70.6060, -8.9580

Conversions

Conversions Part 2

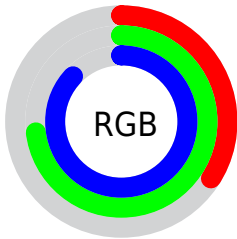
Format	Color
R_{YB}	87, 144, 223
Decimal	5749215
CIE _{Lab}	71.00, -17.59, -27.65
CIE _{LCh}	71, 32.774, 237.540
Yxy	42.1875, 0.2266, 0.2753
Android (android.graphics.Color)	4283939295 (0xFF57B9DF)
YUV	160.0300, 31.0442, -64.0473
Hunter-Lab	64.9519, -18.2601, -24.1934

Details

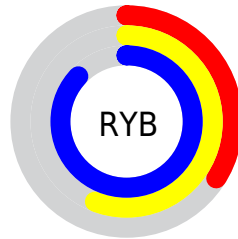
The CIELCh color **71, 32.774, 237.540** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **63, 50.651, 47.085**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 28.674, 212.553**, and **51, 32.381, 238.346** is the 20% darker color. If you saturate the color by 10%, you get **69, 36.186, 240.503**, and if you desaturate by 10%, it is **74, 28.717, 235.168**.

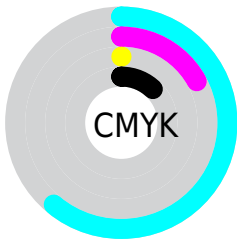
Distribution



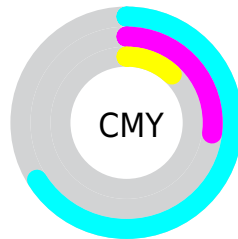
- Red (34%)
- Green (73%)
- Blue (87%)



- Red (34%)
- Yellow (56%)
- Blue (87%)



- Cyan (61%)
- Magenta (17%)
- Yellow (0%)
- Black (12%)





- Cyan (66%)
- Magenta (27%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 32.774, 237.540 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, 32.774, 237.540 by changing the saturation by 10% instead.


 71, 32.774,
237.540


 71, 32.774,
237.540


 100, 32.774,
237.540


 61, 32.774,
237.540


 91, 32.774,
237.540

 51, 32.774,
237.540

 41, 32.774,
237.540

 31, 32.774,
237.540

 21, 32.774,
237.540

 11, 32.774,
237.540

 1, 32.774, 237.540

■ 0, 32.774, 237.540

■ 71, 32.774,
237.540

■ 71, 32.774,
237.540

■ 69, 36.186,
240.503

■ 74, 28.717,
235.168

■ 66, 38.989,
244.138

■ 76, 24.043,
233.294

■ 64, 41.292,
248.473

■ 79, 18.813,
231.830

■ 62, 43.165,
252.876

■ 82, 13.106,
230.697

■ 85, 7.005, 229.845

■ 89, 0.591, 230.026

■ 92, 6.066, 48.460

■ 94, 9.490, 59.703

■ 96, 10.515, 81.201

Harmonies

Complementary

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



71, 32.774, 237.540



63, 50.651, 47.085

Rectangle

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



71, 32.774, 237.540



71, 32.774, 287.540



71, 32.774, 57.540



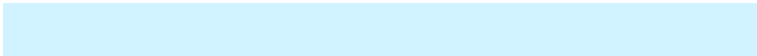
71, 32.774, 107.540

Sweetspot

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



71, 32.773, 237.539



94, 12.667, 230.434



80, 69.425, 146.779



49, 8.734, 230.713



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, 32.773, 237.539



77, 40.890, 241.397



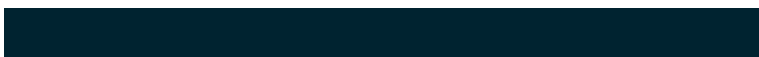
52, 60.295, 289.810



45, 3.678, 229.746



50, 35.904, 252.012



12, 13.988, 242.733

Inverse Universe

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



58, 68.300, 338.297



61, 85.798, 339.677



78, 55.514, 90.700



44, 6.706, 334.074



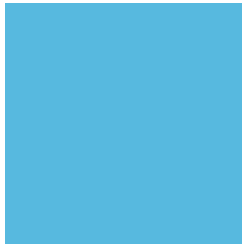
39, 70.865, 343.333



7, 29.768, 340.269

Previews

White Background



This preview shows how the CIE LCh color 71, 32.774, 237.540 looks on a white background.

Color Contrast Check

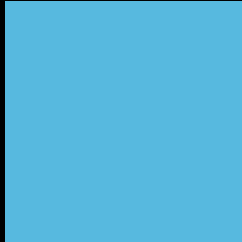
Large Text (above 18pt) WCAG AA × Fail

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, 32.774, 237.540 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, 32.774, 237.540

Background



This preview shows how black text looks on a background with the CIELCh color 71, 32.774, 237.540.

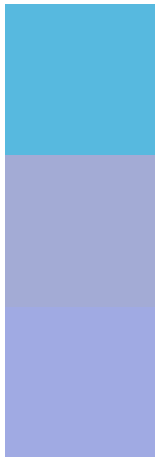


This preview shows how white text looks on a background with the CIELCh color 71, 32.774, 237.540.

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, 32.774, 237.540

Protanopia

71, 23.054, 285.759

Deuteranopia

71, 31.236, 287.315



Tritanopia
71, 31.767, 212.287

Trichromacy



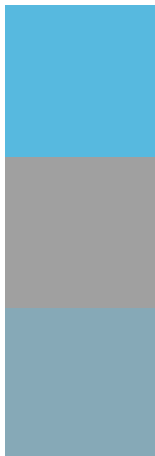
Original Color
71, 32.774, 237.540

Protanomaly
70, 25.340, 261.812

Deuteranomaly
71, 29.619, 267.159

Tritanomaly
71, 31.557, 221.084

Monochromacy



Original Color
71, 32.774, 237.540

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 14.062, 232.128

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 32.774, 237.540 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(87, 185, 223)` looks like.

```
.text, #text, p{  
    color:rgb(87, 185, 223)  
}
```

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(87, 185, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 185, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 32.774, 237.540 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(87, 185, 223) }
```

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

```
.border{ border-color:rgb(87, 185, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 185, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 185, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 185, 223);  
box-shadow:4px 4px 4px 4px rgb(87, 185,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 32.774, 237.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 185, 223) }
```

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

```
.background{ background-color: rgb(87, 185,  
223) }
```

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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