

Converting Colors

CIELCh(71, 30.872, 226.407)

Have a look what the booklet for
CIELCh(71, 30.872, 226.407)
contains.

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Color

CIELCh(71, 30.892, 226.358)

Conversions

Conversions Part 1

Format	Color
Hex	57BBD6
RGB	87, 187, 214
RGB Percent	34%, 73%, 84%
CMY	0.6608, 0.2684, 0.1626
CMYK	0.59, 0.13, 0.00, 0.16
HSL	193°, 61%, 59%
HSV	193°, 59%, 84%
XYZ	33.6403, 42.1875, 69.6860
YIQ	160.1780, -68.2670, -12.8030

Conversions

Conversions Part 2

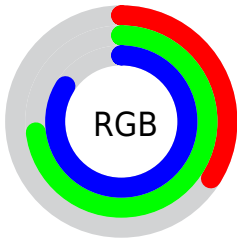
Format	Color
R _Y B	87, 143, 214
Decimal	5749718
CIE Lab	71.00, -21.32, -22.36
CIE LCh	71, 30.892, 226.358
Yxy	42.1875, 0.2312, 0.2899
Android (android.graphics.Color)	4283939798 (0xFF57BBD6)
YUV	160.1780, 26.5342, -64.1771
Hunter-Lab	64.9519, -21.2161, -18.1451

Details

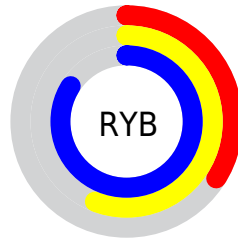
The CIELCh color **71, 30.892, 226.358** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **59, 49.083, 41.451**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 29.316, 210.039**, and **51, 30.598, 225.841** is the 20% darker color. If you saturate the color by 10%, you get **69, 33.882, 228.501**, and if you desaturate by 10%, it is **73, 27.146, 224.695**.

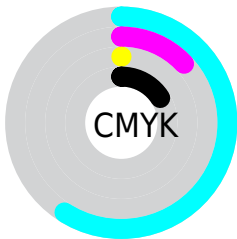
Distribution



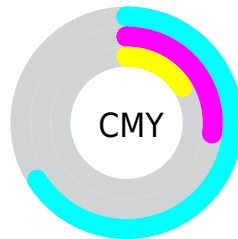
- Red (34%)
- Green (73%)
- Blue (84%)



- Red (34%)
- Yellow (56%)
- Blue (84%)



- Cyan (59%)
- Magenta (13%)
- Yellow (0%)
- Black (16%)





- Cyan (66%)
- Magenta (27%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 30.892, 226.358 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, 30.892, 226.358 by changing the saturation by 10% instead.


 71, 30.892,
226.358


 71, 30.892,
226.358


 100, 30.892,
226.358


 61, 30.892,
226.358


 91, 30.892,
226.358

 51, 30.892,
226.358

 41, 30.892,
226.358

 31, 30.892,
226.358

 21, 30.892,
226.358

 11, 30.892,
226.358

 1, 30.892, 226.358

■ 0, 30.892, 226.358

■ 71, 30.892,
226.358

■ 71, 30.892,
226.358

■ 69, 33.882,
228.501

■ 73, 27.146,
224.695

■ 67, 36.115,
231.214

■ 75, 22.700,
223.429

■ 66, 37.656,
234.567

■ 78, 17.635,
222.485

■ 64, 38.707,
238.507

■ 80, 12.047,
221.801

■ 64, 38.759,
238.709

■ 83, 6.030, 221.349

■ 86, 0.327, 39.178

■ 88, 6.946, 40.606

■ 91, 12.925, 41.847

■ 92, 12.537, 54.444

Harmonies

Complementary

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



71, 30.892, 226.358



59, 49.083, 41.451

Rectangle

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



71, 30.892, 226.358



71, 30.892, 276.358



71, 30.892, 46.358



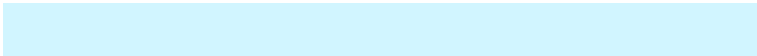
71, 30.892, 96.358

Sweetspot

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



71, 30.891, 226.357



94, 12.897, 221.729



77, 69.010, 144.777



50, 8.883, 221.897



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, 30.891, 226.357



81, 39.378, 229.052



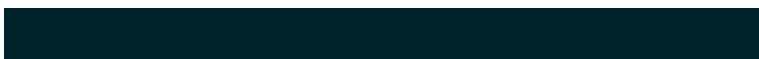
53, 51.639, 285.278



44, 3.615, 221.347



52, 32.753, 238.005



11, 12.656, 229.593

Inverse Universe

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



57, 67.632, 335.098



63, 88.204, 336.112



73, 50.064, 85.836



42, 6.770, 331.529



39, 72.701, 338.847



6, 28.186, 336.470

Previews

White Background



This preview shows how the CIE LCh color 71, 30.892, 226.358 looks on a white background.

Color Contrast Check

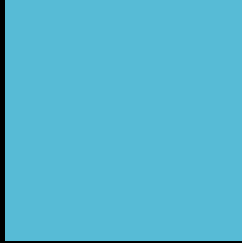
Large Text (above 18pt) WCAG AA × Fail

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, 30.892, 226.358 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, 30.892, 226.358

Background



This preview shows how black text looks on a background with the CIELCh color 71, 30.892, 226.358.



This preview shows how white text looks on a background with the CIELCh color 71, 30.892, 226.358.

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

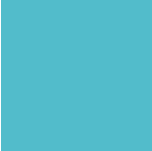
71, 30.892, 226.358

Protanopia

71, 17.554, 286.262

Deuteranopia

71, 26.274, 290.563

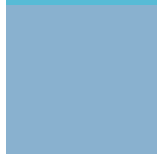


Tritanopia
71, 30.869, 212.805

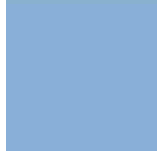
Trichromacy



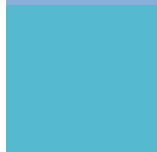
Original Color
71, 30.892, 226.358



Protanomaly
70, 20.483, 252.428



Deuteranomaly
70, 24.973, 263.609

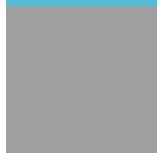


Tritanomaly
71, 30.583, 218.536

Monochromacy



Original Color
71, 30.892, 226.358



Achromatopsia
66, 0.008, 296.813



Achromatomaly
67, 13.602, 219.995

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 30.892, 226.358 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, 187, 214)` looks like.

```
.text, #text, p{  
    color:rgb(87, 187, 214)  
}
```

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, 187, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 187, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 30.892, 226.358 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, 187, 214) }
```

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

```
.border{ border-color:rgb(87, 187, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 187, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 187, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 187, 214);  
box-shadow:4px 4px 4px 4px rgb(87, 187,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 30.892, 226.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 187, 214) }
```

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

```
.background{ background-color: rgb(87, 187,  
214) }
```

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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