

Converting Colors

CIELCh(70, 21.229, 252.198)

Have a look what the booklet for
CIELCh(70, 21.229, 252.198)
contains.

CIELCh(70, 21.242, 252.231)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 21.242, 252.231)

Conversions

Conversions Part 1

Format	Color
Hex	86B0CF
RGB	134, 176, 207
RGB Percent	53%, 69%, 81%
CMY	0.4736, 0.3089, 0.1873
CMYK	0.35, 0.15, 0.00, 0.19
HSL	205°, 43%, 67%
HSV	205°, 35%, 81%
XYZ	36.7344, 40.7494, 65.1185
YIQ	166.9760, -34.9830, 0.7370

Conversions

Conversions Part 2

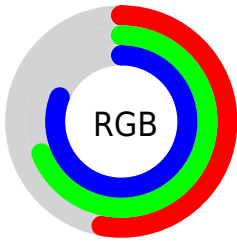
Format	Color
RYB	134, 161, 207
Decimal	8827087
CIELab	70.00, -6.48, -20.23
CIElCh	70, 21.242, 252.231
Yxy	40.7494, 0.2576, 0.2858
Android (android.graphics.Color)	4287017167 (0xFF86B0CF)
YUV	166.9760, 19.7318, -28.9200
Hunter-Lab	63.8353, -8.9927, -15.7972

Details

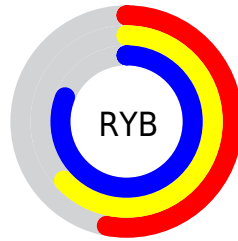
The CIELCh color $70, 21.242, 252.231$ is a light color, and the websafe version is hex $6699CC$. A complement of this color would be $71, 24.611, 63.067$, and the grayscale version is $69, 0.008, 296.813$.

A 20% lighter version of the original color is $90, 18.002, 240.601$, and $50, 21.298, 251.838$ is the 20% darker color. If you saturate the color by 10%, you get $66, 26.780, 254.523$, and if you desaturate by 10%, it is $74, 15.453, 250.338$.

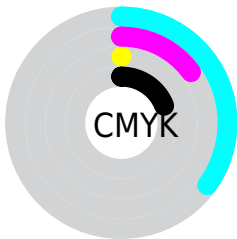
Distribution



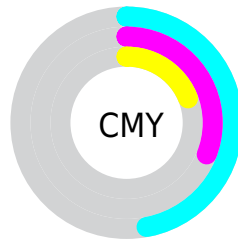
- Red (53%)
- Green (69%)
- Blue (81%)



- Red (53%)
- Yellow (63%)
- Blue (81%)



- Cyan (35%)
- Magenta (15%)
- Yellow (0%)
- Black (19%)





- Cyan (47%)
- Magenta (31%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 21.242, 252.231 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, 21.242, 252.231 by changing the saturation by 10% instead.


 70, 21.242,
252.231


 70, 21.242,
252.231


 100, 21.242,
252.231


 60, 21.242,
252.231


 90, 21.242,
252.231

 50, 21.242,
252.231

 40, 21.242,
252.231

 30, 21.242,
252.231

 20, 21.242,
252.231

 10, 21.242,
252.231

 0, 21.242, 252.231

70, 21.242,
252.231

70, 21.242,
252.231

66, 26.780,
254.523

74, 15.453,
250.338

63, 32.045,
257.292

77, 9.454, 248.787

81, 3.284, 247.574

60, 37.039,
260.599

85, 3.014, 66.212

56, 41.805,
264.479

89, 9.405, 65.402

53, 46.435,
268.903

93, 14.909, 68.362

95, 16.944, 86.587

51, 51.064,
273.746

97, 20.269, 99.745

49, 53.344,
276.037

99, 24.109,
108.349

Harmonies

Complementary

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



70, 21.242, 252.231



71, 24.611, 63.067

Rectangle

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



70, 21.242, 252.231



70, 21.242, 302.231



70, 21.242, 72.231



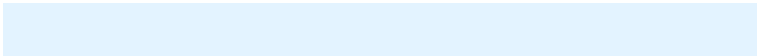
70, 21.242, 122.231

Sweetspot

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



70, 21.241, 252.229



95, 8.122, 248.243



78, 34.858, 156.217



50, 5.448, 248.419



0, 0.000, 0.000



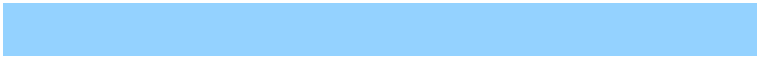
53, 0.007, 296.813

Same Dimension

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



70, 21.241, 252.229



81, 29.580, 253.854



60, 37.768, 291.380



42, 3.573, 248.031



40, 45.116, 275.250



7, 14.618, 263.781

Inverse Universe

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



65, 35.608, 342.876



74, 50.005, 343.673



80, 35.123, 102.915



41, 5.708, 340.493



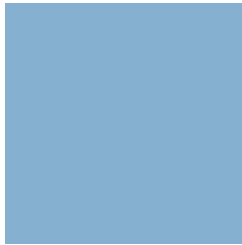
36, 63.443, 354.799



5, 22.694, 348.964

Previews

White Background



This preview shows how the CIE LCh color 70, 21.242, 252.231 looks on a white background.

Color Contrast Check

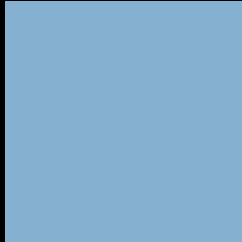
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 70, 21.242, 252.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

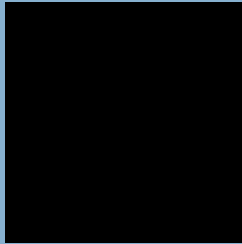
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

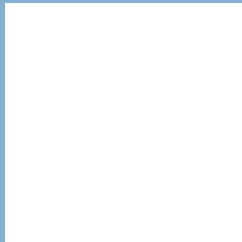
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 21.242, 252.231

Background



This preview shows how black text looks on a background with the CIELCh color 70, 21.242, 252.231.



This preview shows how white text looks on a background with the CIELCh color 70, 21.242, 252.231.

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, 17.458, 224.508

Trichromacy



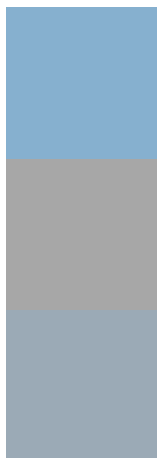
Original Color
70, 21.242, 252.231

Protanomaly
70, 18.460, 271.627

Deuteranomaly
70, 21.209, 279.479

Tritanomaly
70, 18.317, 235.415

Monochromacy



Original Color
70, 21.242, 252.231

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 8.395, 251.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 21.242, 252.231 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(134, 176, 207)` looks like.

```
.text, #text, p{  
    color:rgb(134, 176, 207)  
}
```

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(134, 176, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 176, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 21.242, 252.231 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(134, 176, 207) }
```

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

```
.border{ border-color:rgb(134, 176, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 176, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 176, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 176, 207);  
box-shadow:4px 4px 4px 4px rgb(134, 176,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 21.242, 252.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 176, 207) }
```

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

```
.background{ background-color: rgb(134,  
176, 207) }
```

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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