

Converting Colors

CIELCh(70, 13.725, 229.361)

Have a look what the booklet for
CIELCh(70, 13.725, 229.361)
contains.

CIELCh(70, 13.520, 227.814)	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(70, 13.520, 227.814)

Conversions

Conversions Part 1

Format	Color
Hex	8EB1BD
RGB	142, 177, 189
RGB Percent	56%, 69%, 74%
CMY	0.4440, 0.3068, 0.2597
CMYK	0.25, 0.06, 0.00, 0.26
HSL	195°, 26%, 65%
HSV	195°, 25%, 74%
XYZ	35.9543, 40.7494, 53.9836
YIQ	167.9030, -24.7120, -3.6880

Conversions

Conversions Part 2

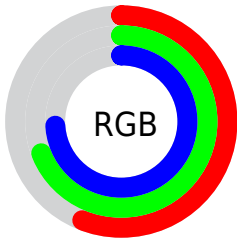
Format	Color
RYB	142, 162, 189
Decimal	9351613
CIELab	70.00, -9.08, -10.02
CIElCh	70, 13.520, 227.814
Yxy	40.7494, 0.2751, 0.3118
Android (android.graphics.Color)	4287541693 (0xFF8EB1BD)
YUV	167.9030, 10.4008, -22.7169
Hunter-Lab	63.8353, -11.1741, -5.4551

Details

The CIELCh color **70, 13.520, 227.814** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **66, 15.818, 45.062**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 13.358, 226.681**, and **50, 13.684, 229.440** is the 20% darker color. If you saturate the color by 10%, you get **68, 18.332, 228.892**, and if you desaturate by 10%, it is **73, 8.317, 226.995**.

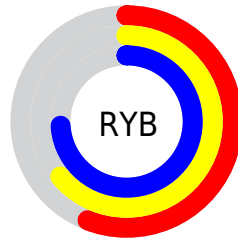
Distribution



Red (56%)

Green (69%)

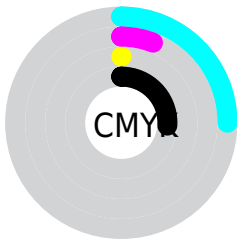
Blue (74%)



Red (56%)

Yellow (64%)

Blue (74%)

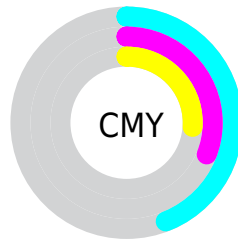


Cyan (25%)

Magenta (6%)

Yellow (0%)

Black (26%)



Cyan (44%)


Magenta (31%)


Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 13.520, 227.814 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, 13.520, 227.814 by changing the saturation by 10% instead.


 70, 13.520,
227.814


 70, 13.520,
227.814


 100, 13.520,
227.814


 60, 13.520,
227.814


 90, 13.520,
227.814

 50, 13.520,
227.814

 40, 13.520,
227.814

 30, 13.520,
227.814

 20, 13.520,
227.814

 10, 13.520,
227.814

 0, 13.520, 227.814

70, 13.520,
227.814

70, 13.520,
227.814

68, 18.332,
228.892

73, 8.317, 226.995

65, 22.678,
230.306

75, 2.798, 226.481

78, 2.968, 45.657

63, 26.485,
232.124

81, 8.924, 45.420

61, 29.705,
234.437

84, 15.020, 45.190

59, 32.320,
237.333

86, 21.199, 45.039

88, 20.780, 53.116

57, 34.370,
240.888

89, 20.794, 61.340

90, 21.240, 69.366

55, 35.966,
245.126

55, 36.729,

Harmonies

Complementary

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



70, 13.520, 227.814



66, 15.818, 45.062

Rectangle

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



70, 13.520, 227.814



70, 13.520, 277.814



70, 13.520, 47.814



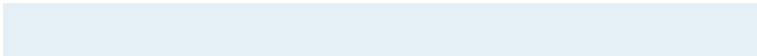
70, 13.520, 97.814

Sweetspot

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



70, 13.520, 227.808



94, 4.918, 226.551



72, 26.089, 150.485



50, 3.190, 226.576



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 13.520, 227.808



87, 19.767, 228.377



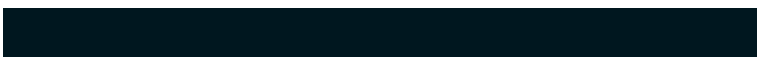
64, 19.966, 280.701



39, 3.206, 226.656



46, 32.088, 246.711



6, 9.499, 238.186

Inverse Universe

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



64, 26.165, 334.201



79, 38.921, 334.609



72, 19.633, 94.241



37, 5.914, 333.111



35, 66.672, 341.511



3, 16.730, 337.251

Previews

White Background



This preview shows how the CIELCh color 70, 13.520, 227.814 looks on a white background.

Color Contrast Check

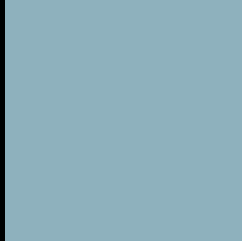
Large Text (above 18pt) WCAG AA × Fail

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, 13.520, 227.814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

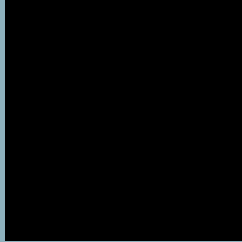
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

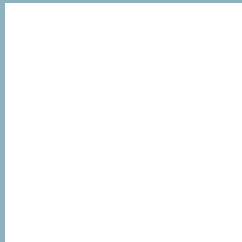
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 13.520, 227.814

Background



This preview shows how black text looks on a background with the CIELCh color 70, 13.520, 227.814.



This preview shows how white text looks on a background with the CIELCh color 70, 13.520, 227.814.

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, 13.520, 227.814

Protanopia
70, 7.674, 290.949

Deuteranopia
70, 14.452, 308.963



Tritanopia
70, 14.005, 234.781

Trichromacy



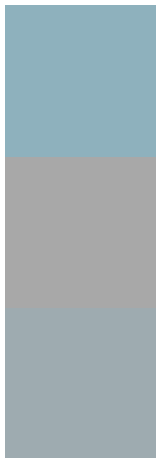
Original Color
70, 13.520, 227.814

Protanomaly
70, 8.694, 261.412

Deuteranomaly
70, 11.070, 282.022

Tritanomaly
70, 13.736, 232.770

Monochromacy



Original Color
70, 13.520, 227.814

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 5.431, 229.562

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 13.520, 227.814 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(142, 177, 189)` looks like.

```
.text, #text, p{  
    color:rgb(142, 177, 189)  
}
```

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(142, 177, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 177, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 13.520, 227.814 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(142, 177, 189) }
```

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

```
.border{ border-color:rgb(142, 177, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 177, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 177, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 177, 189);  
box-shadow:4px 4px 4px 4px rgb(142, 177,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 13.520, 227.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 177, 189) }
```

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

```
.background{ background-color: rgb(142,  
177, 189) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor