

Converting Colors

CIELCh(70, 33.387, 227.230)

Have a look what the booklet for
CIELCh(70, 33.387, 227.230)
contains.

CIELCh(70, 33.387, 227.230)	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, 33.387, 227.230)

Conversions

Conversions Part 1

Format	Color
Hex	47B9D7
RGB	71, 185, 215
RGB Percent	28%, 73%, 84%
CMY	0.7234, 0.2760, 0.1584
CMYK	0.67, 0.14, 0.00, 0.16
HSL	192°, 64%, 56%
HSV	192°, 67%, 84%
XYZ	32.0504, 40.7494, 70.2080
YIQ	154.3340, -77.5740, -14.8380

Conversions

Conversions Part 2

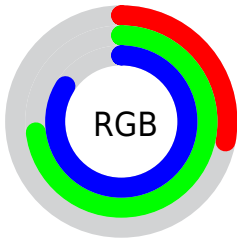
Format	Color
R_{YB}	71, 135, 215
Decimal	4700631
CIE _{Lab}	70.00, -22.67, -24.51
CIE _{LCh}	70, 33.387, 227.230
Yxy	40.7494, 0.2241, 0.2849
Android (android.graphics.Color)	4282890711 (0xFF47B9D7)
YUV	154.3340, 29.9083, -73.0839
Hunter-Lab	63.8353, -22.0905, -20.5243

Details

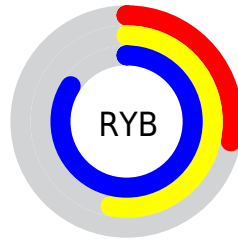
The CIELCh color **70, 33.387, 227.230** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **56, 57.233, 41.693**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 31.642, 210.968**, and **51, 30.748, 229.686** is the 20% darker color. If you saturate the color by 10%, you get **68, 35.779, 229.745**, and if you desaturate by 10%, it is **72, 30.218, 225.254**.

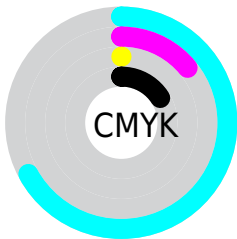
Distribution



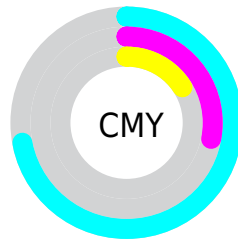
- Red (28%)
- Green (73%)
- Blue (84%)



- Red (28%)
- Yellow (53%)
- Blue (84%)



- Cyan (67%)
- Magenta (14%)
- Yellow (0%)
- Black (16%)





- Cyan (72%)
- Magenta (28%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 33.387, 227.230 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, 33.387, 227.230 by changing the saturation by 10% instead.


 70, 33.387,
227.230


 70, 33.387,
227.230


 100, 33.387,
227.230


 60, 33.387,
227.230


 90, 33.387,
227.230

 50, 33.387,
227.230

 40, 33.387,
227.230

 30, 33.387,
227.230

 20, 33.387,
227.230

 10, 33.387,
227.230

 0, 33.387, 227.230

70, 33.387,
227.230

70, 33.387,
227.230

68, 35.779,
229.745

72, 30.218,
225.254

67, 37.443,
232.879

74, 26.295,
223.734

65, 38.519,
236.654

76, 21.678,
222.584

65, 38.796,
237.782

79, 16.458,
221.736

81, 10.730,
221.132

84, 4.589, 220.767

87, 1.875, 40.046

89, 8.588, 40.102

Harmonies

Complementary

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



70, 33.387, 227.230



56, 57.233, 41.693

Rectangle

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



70, 33.387, 227.230



70, 33.387, 277.230



70, 33.387, 47.230



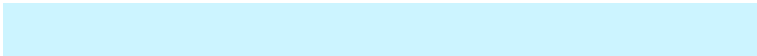
70, 33.387, 97.230

Sweetspot

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



70, 33.386, 227.229



94, 14.270, 221.293



76, 76.707, 143.649



49, 9.649, 221.461



0, 0.000, 0.000



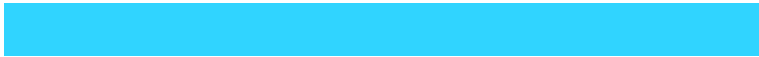
53, 0.007, 296.813

Same Dimension

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



70, 33.386, 227.229



79, 41.730, 231.123



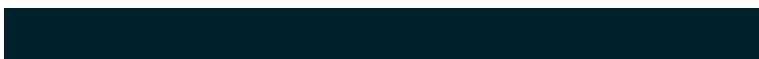
50, 59.098, 287.608



44, 3.622, 220.823



52, 32.667, 237.076



12, 12.651, 228.829

Inverse Universe

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



54, 74.458, 335.529



60, 94.507, 336.823



72, 56.348, 84.698



42, 6.791, 331.374



39, 72.930, 338.582



6, 28.275, 336.263

Previews

White Background



This preview shows how the CIELCh color 70, 33.387, 227.230 looks on a white background.

Color Contrast Check

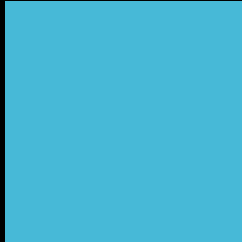
Large Text (above 18pt) WCAG AA × Fail

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 70, 33.387, 227.230 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, 33.387, 227.230

Background



This preview shows how black text looks on a background with the CIELCh color 70, 33.387, 227.230.



This preview shows how white text looks on a background with the CIELCh color 70, 33.387, 227.230.

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](#).

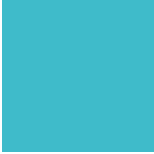
Dichromacy



Original Color
70, 33.387, 227.230

Protanopia
70, 19.244, 286.975

Deuteranopia
70, 28.542, 289.035



Tritanopia
70, 33.689, 211.294

Trichromacy



Original Color
70, 33.387, 227.230



Protanomaly
69, 22.573, 252.544



Deuteranomaly
69, 27.258, 261.944



Tritanomaly
70, 33.281, 217.624

Monochromacy



Original Color
70, 33.387, 227.230



Achromatopsia
64, 0.008, 296.813



Achromatomaly
65, 15.118, 222.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 33.387, 227.230 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(71, 185, 215)` looks like.

```
.text, #text, p{  
    color:rgb(71, 185, 215)  
}
```

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(71, 185, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 185, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 33.387, 227.230 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(71, 185, 215) }
```

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

```
.border{ border-color:rgb(71, 185, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 185, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 185, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 185, 215);  
box-shadow:4px 4px 4px 4px rgb(71, 185,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 33.387, 227.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 185, 215) }
```

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

```
.background{ background-color: rgb(71, 185,  
215) }
```

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