

Converting Colors

CIELCh(67, 22.812, 220.870)

Have a look what the booklet for
CIELCh(67, 22.812, 220.870)
contains.

CIELCh(67, 22.832, 220.820)	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(67, 22.832, 220.820)

Conversions

Conversions Part 1

Format	Color
Hex	69ADB8
RGB	105, 173, 189
RGB Percent	41%, 68%, 74%
CMY	0.5877, 0.3210, 0.2583
CMYK	0.44, 0.08, 0.00, 0.26
HSL	191°, 39%, 58%
HSV	191°, 44%, 74%
XYZ	30.0126, 36.6320, 53.7125
YIQ	154.4920, -45.6640, -9.4400

Conversions

Conversions Part 2

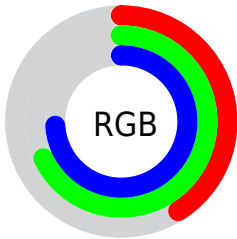
Format	Color
RYB	105, 143, 189
Decimal	6925757
CIELab	67.00, -17.28, -14.92
CIELCh	67, 22.832, 220.820
Yxy	36.6320, 0.2494, 0.3044
Android (android.graphics.Color)	4285115837 (0xFF69ADBBD)
YUV	154.4920, 17.0124, -43.4045
Hunter-Lab	60.5244, -17.4037, -10.2500

Details

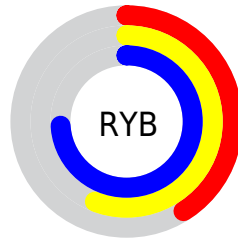
The CIELCh color **67, 22.832, 220.820** is a light color, and the websafe version is hex **669999**. A complement of this color would be **58, 31.671, 38.719**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 22.940, 219.676**, and **47, 22.907, 220.411** is the 20% darker color. If you saturate the color by 10%, you get **65, 26.563, 222.040**, and if you desaturate by 10%, it is **69, 18.483, 219.912**.

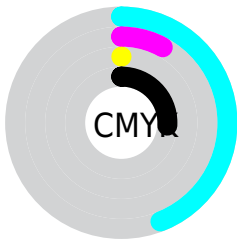
Distribution



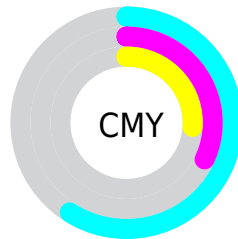
- Red (41%)
- Green (68%)
- Blue (74%)



- Red (41%)
- Yellow (56%)
- Blue (74%)



- Cyan (44%)
- Magenta (8%)
- Yellow (0%)
- Black (26%)





- Cyan (59%)
- Magenta (32%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 22.832, 220.820 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 67, 22.832, 220.820 by changing the saturation by 10% instead.

 67, 22.832,
220.820


 67, 22.832,
220.820


 100, 22.832,
220.820


 57, 22.832,
220.820


 87, 22.832,
220.820

 47, 22.832,
220.820

 97, 22.832,
220.820

 37, 22.832,
220.820

 27, 22.832,
220.820

 17, 22.832,
220.820

 7, 22.832, 220.820

 0, 22.832, 220.820

67, 22.832,
220.820

67, 22.832,
220.820

65, 26.563,
222.040

69, 18.483,
219.912

63, 29.608,
223.651

71, 13.602,
219.265

62, 31.932,
225.731

73, 8.279, 218.832

60, 33.548,
228.357

76, 2.599, 218.669

78, 3.359, 38.134

59, 34.540,
231.586

81, 9.528, 38.151

59, 34.958,
233.555

83, 15.852, 38.162

86, 21.730, 38.639

86, 21.121, 44.391

Harmonies

Complementary

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



67, 22.832, 220.820



58, 31.671, 38.719

Rectangle

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



67, 22.832, 220.820



67, 22.832, 270.820



67, 22.832, 40.820



67, 22.832, 90.820

Sweetspot

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



67, 22.832, 220.818



93, 9.240, 218.793



70, 48.460, 146.223



49, 6.424, 218.866



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



67, 22.832, 220.818



83, 32.006, 221.961



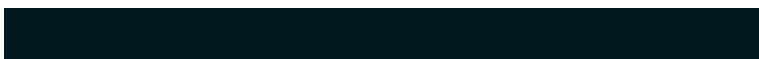
55, 33.543, 280.036



39, 3.294, 218.695



49, 30.588, 232.997



7, 9.527, 226.948

Inverse Universe

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



56, 48.236, 333.068



67, 69.600, 333.731



68, 33.436, 86.690



37, 6.193, 330.741



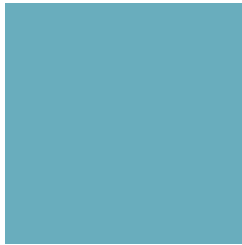
36, 69.842, 337.449



3, 17.790, 333.697

Previews

White Background



This preview shows how the CIE LCh color 67, 22.832, 220.820 looks on a white background.

Color Contrast Check

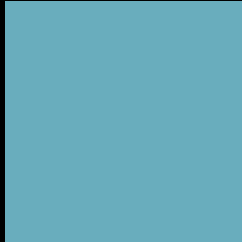
Large Text (above 18pt) WCAG AA × Fail

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 67, 22.832, 220.820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

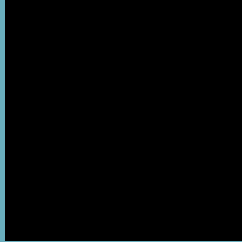
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 22.832, 220.820

Background



This preview shows how black text looks on a background with the CIELCh color 67, 22.832, 220.820.



This preview shows how white text looks on a background with the CIELCh color 67, 22.832, 220.820.

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

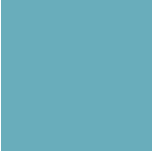
67, 22.832, 220.820

Protanopia

67, 11.068, 289.457

Deuteranopia

67, 18.359, 296.436



Tritanopia
67, 22.605, 217.991

Trichromacy



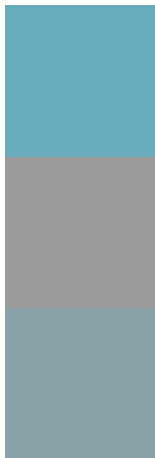
Original Color
67, 22.832, 220.820

Protanomaly
66, 13.392, 250.964

Deuteranomaly
67, 16.479, 264.646

Tritanomaly
67, 22.712, 219.412

Monochromacy



Original Color
67, 22.832, 220.820

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 9.363, 216.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 22.832, 220.820 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(105, 173, 189)` looks like.

```
.text, #text, p{  
    color:rgb(105, 173, 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(105, 173, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 173, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 22.832, 220.820 is called "border". The border property can be set on classes, ids or directly on the HTML element.

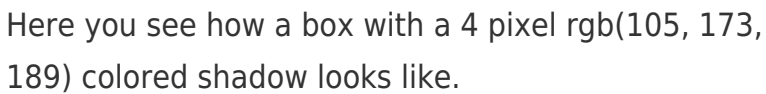
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 173, 189) }
```

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

```
.border{ border-color:rgb(105, 173, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 173, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 173, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 173, 189);  
box-shadow:4px 4px 4px 4px rgb(105, 173,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 22.832, 220.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 173, 189) }
```

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

```
.background{ background-color: rgb(105,  
173, 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