

Converting Colors

CIELCh(71, 22.511, 162.489)

Have a look what the booklet for
CIELCh(71, 22.511, 162.489)
contains.

CIELCh(71, 22.621, 162.275)	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(71, 22.621, 162.275)

Conversions

Conversions Part 1

Format	Color
Hex	87B9A1
RGB	135, 185, 161
RGB Percent	53%, 73%, 63%
CMY	0.4723, 0.2762, 0.3703
CMYK	0.27, 0.00, 0.13, 0.28
HSL	151°, 26%, 63%
HSV	151°, 27%, 72%
XYZ	33.5755, 42.1875, 39.8940
YIQ	167.3140, -22.0960, -18.0640

Conversions

Conversions Part 2

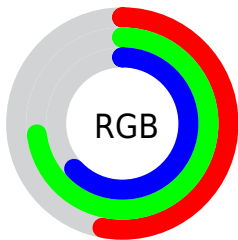
Format	Color
RYB	135, 168, 185
Decimal	8894881
CIELab	71.00, -21.55, 6.89
CIElCh	71, 22.621, 162.275
Yxy	42.1875, 0.2903, 0.3648
Android (android.graphics.Color)	4287084961 (0xFF87B9A1)
YUV	167.3140, -3.1128, -28.3394
Hunter-Lab	64.9519, -21.3940, 9.0499

Details

The CIELCh color **71, 22.621, 162.275** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **62, 23.469, 347.248**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 22.470, 162.759**, and **51, 22.908, 161.392** is the 20% darker color. If you saturate the color by 10%, you get **70, 30.672, 161.151**, and if you desaturate by 10%, it is **72, 14.341, 163.284**.

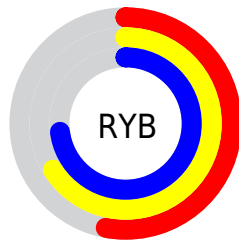
Distribution



Red (53%)

Green (73%)

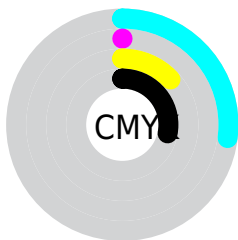
Blue (63%)



Red (53%)

Yellow (66%)

Blue (73%)

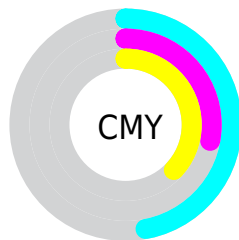


Cyan (27%)

Magenta (0%)

Yellow (13%)

Black (28%)



Cyan (47%)


Magenta (28%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 22.621, 162.275 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, 22.621, 162.275 by changing the saturation by 10% instead.


 71, 22.621,
162.275


 71, 22.621,
162.275


 100, 22.621,
162.275


 61, 22.621,
162.275


 91, 22.621,
162.275

 51, 22.621,
162.275

 41, 22.621,
162.275

 31, 22.621,
162.275

 21, 22.621,
162.275

 11, 22.621,
162.275

 1, 22.621, 162.275

■ 0, 22.621, 162.275

■ 71, 22.621,
162.275

■ 71, 22.621,
162.275

■ 70, 30.672,
161.151

■ 72, 14.341,
163.284

■ 69, 38.355,
159.889

■ 74, 5.949, 164.223

■ 68, 45.530,
158.463

■ 75, 2.452, 344.818

■ 67, 52.068,
156.851

■ 77, 10.782,
345.690

■ 67, 57.874,
155.033

■ 79, 18.981,
346.397

■ 66, 62.901,
153.005

■ 81, 27.007,
347.046

■ 82, 32.302,

■ 66, 67.201,
150.803

344.019

■ 66, 68.393,
150.178

■ 83, 35.096,
337.808

■ 83, 38.270,
332.640

Harmonies

Complementary

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



71, 22.621, 162.275



62, 23.469, 347.248

Rectangle

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



71, 22.621, 162.275



71, 22.621, 212.275



71, 22.621, 342.275



71, 22.621, 32.275

Sweetspot

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



71, 22.622, 162.274



93, 8.310, 164.124



72, 28.773, 128.419



49, 5.903, 163.984



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



71, 22.622, 162.274



89, 33.891, 161.563



71, 16.878, 199.647



38, 4.739, 164.012



56, 59.877, 150.508



8, 14.248, 158.468

Inverse Universe

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



62, 23.469, 347.248



75, 35.450, 347.983



61, 20.266, 22.784



36, 4.804, 345.485



33, 58.478, 3.267



3, 12.074, 351.939

Previews

White Background



This preview shows how the CIELCh color 71, 22.621, 162.275 looks on a white background.

Color Contrast Check

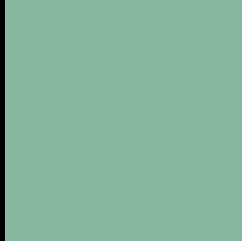
Large Text (above 18pt) WCAG AA × Fail

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, 22.621, 162.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

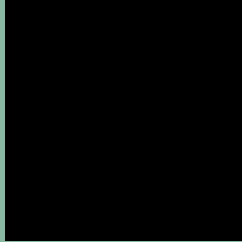
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 22.621, 162.275

Background



This preview shows how black text looks on a background with the CIELCh color 71, 22.621, 162.275.

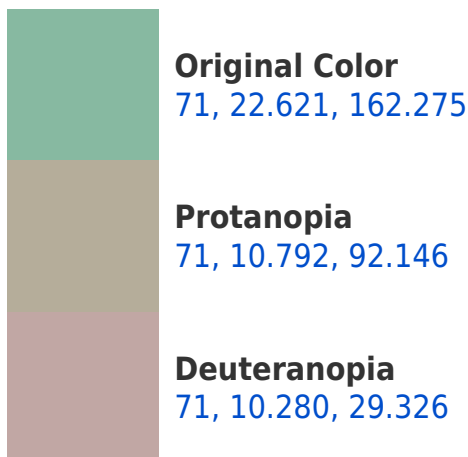


This preview shows how white text looks on a background with the CIELCh color 71, 22.621, 162.275.

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
71, 15.036, 229.260

Trichromacy



Original Color
71, 22.621, 162.275

Protanomaly
71, 12.507, 132.628

Deuteranomaly
70, 5.462, 113.646

Tritanomaly
71, 14.996, 198.230

Monochromacy



Original Color
71, 22.621, 162.275

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 8.086, 165.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 22.621, 162.275 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(135, 185, 161)` looks like.

```
.text, #text, p{  
    color:rgb(135, 185, 161)  
}
```

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(135, 185, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 185, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 22.621, 162.275 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(135, 185, 161) }
```

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

```
.border{ border-color:rgb(135, 185, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 185, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 185, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 185, 161);  
box-shadow:4px 4px 4px 4px rgb(135, 185,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 22.621, 162.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 185, 161) }
```

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

```
.background{ background-color: rgb(135,  
185, 161) }
```

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