

Converting Colors

CIELCh(70, 20.782, 165.910)

Have a look what the booklet for
CIELCh(70, 20.782, 165.910)
contains.

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Color

CIELCh(70, 20.782, 165.910)

Conversions

Conversions Part 1

Format	Color
Hex	85B5A1
RGB	133, 181, 161
RGB Percent	52%, 71%, 63%
CMY	0.4774, 0.2891, 0.3676
CMYK	0.26, 0.00, 0.11, 0.29
HSL	155°, 25%, 62%
HSV	155°, 26%, 71%
XYZ	32.7503, 40.7494, 39.9807
YIQ	164.3680, -22.1880, -16.3960

Conversions

Conversions Part 2

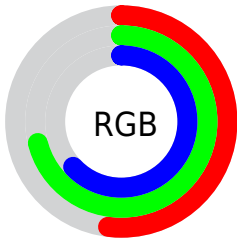
Format	Color
RYB	133, 163, 181
Decimal	8762785
CIELab	70.00, -20.16, 5.06
CIELCh	70, 20.782, 165.910
Yxy	40.7494, 0.2886, 0.3591
Android (android.graphics.Color)	4286952865 (0xFF85B5A1)
YUV	164.3680, -1.6604, -27.5097
Hunter-Lab	63.8353, -20.1335, 7.5508

Details

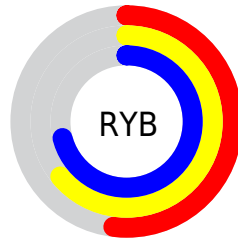
The CIELCh color **70, 20.782, 165.910** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61, 21.806, 350.987**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 20.719, 166.244**, and **50, 20.598, 166.494** is the 20% darker color. If you saturate the color by 10%, you get **69, 28.287, 164.776**, and if you desaturate by 10%, it is **71, 13.028, 166.938**.

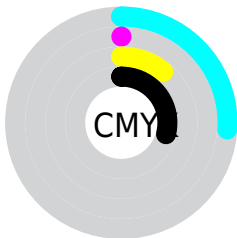
Distribution



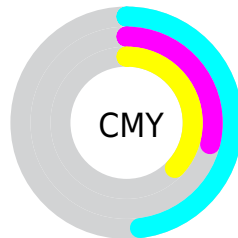
- Red (52%)
- Green (71%)
- Blue (63%)



- Red (52%)
- Yellow (64%)
- Blue (71%)



- Cyan (26%)
- Magenta (0%)
- Yellow (11%)
- Black (29%)





- Cyan (48%)
- Magenta (29%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 20.782, 165.910 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, 20.782, 165.910 by changing the saturation by 10% instead.


 70, 20.782,
165.910


 70, 20.782,
165.910


 100, 20.782,
165.910


 60, 20.782,
165.910


 90, 20.782,
165.910

 50, 20.782,
165.910

 40, 20.782,
165.910

 30, 20.782,
165.910

 20, 20.782,
165.910

 10, 20.782,
165.910

 0, 20.782, 165.910

70, 20.782,
165.910

70, 20.782,
165.910

69, 28.287,
164.776

71, 13.028,
166.938

68, 35.412,
163.515

73, 5.138, 167.913

67, 42.028,
162.101

74, 2.791, 348.540

66, 48.017,
160.509

76, 10.679,
349.435

66, 53.292,
158.719

78, 18.468,
350.185

65, 57.816,
156.720

80, 26.115,
350.880


65, 61.638,
154.532

81, 31.985,
349.544

65, 62.907,

82, 34.007,
343.685

153.776

 82, 36.371,
338.584

Harmonies

Complementary

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



70, 20.782, 165.910



61, 21.806, 350.987

Rectangle

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



70, 20.782, 165.910



70, 20.782, 215.910



70, 20.782, 345.910



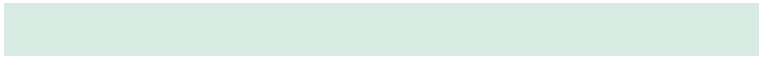
70, 20.782, 35.910

Sweetspot

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



70, 20.783, 165.908



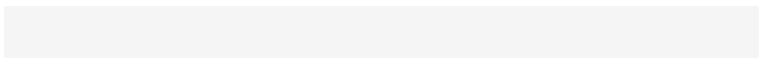
91, 7.815, 167.750



71, 28.100, 130.182



48, 5.548, 167.605



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 20.783, 165.908



87, 30.759, 165.238



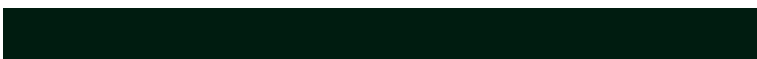
70, 15.519, 204.733



38, 4.534, 167.632



56, 55.872, 154.074



8, 13.634, 161.454

Inverse Universe

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



61, 21.806, 350.987



74, 32.629, 351.726



61, 18.617, 26.718



36, 4.614, 349.171



33, 58.435, 9.301



2, 11.707, 355.490

Previews

White Background



This preview shows how the CIELCh color 70, 20.782, 165.910 looks on a white background.

Color Contrast Check

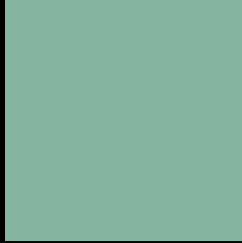
Large Text (above 18pt) WCAG AA × Fail

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, 20.782, 165.910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

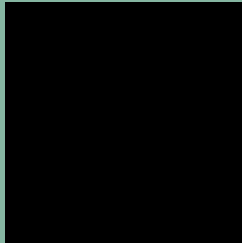
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

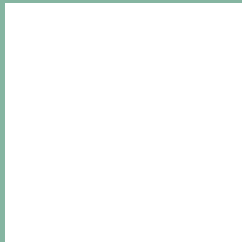
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 20.782, 165.910

Background



This preview shows how black text looks on a background with the CIELCh color 70, 20.782, 165.910.

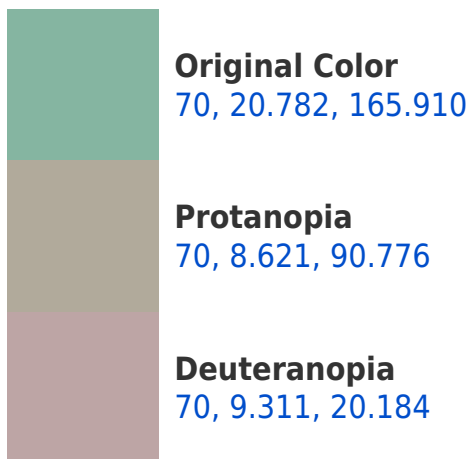


This preview shows how white text looks on a background with the CIELCh color 70, 20.782, 165.910.

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, 14.793, 229.939

Trichromacy



Original Color
70, 20.782, 165.910

Protanomaly
70, 10.577, 137.330

Deuteranomaly
70, 3.902, 121.041

Tritanomaly
70, 14.657, 200.405

Monochromacy



Original Color
70, 20.782, 165.910

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 7.799, 169.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 20.782, 165.910 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(133, 181, 161)` looks like.

```
.text, #text, p{  
    color:rgb(133, 181, 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(133, 181, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 181, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 20.782, 165.910 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(133, 181, 161) }
```

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

```
.border{ border-color:rgb(133, 181, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 181, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 181, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 181, 161);  
box-shadow:4px 4px 4px 4px rgb(133, 181,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 20.782, 165.910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 181, 161) }
```

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

```
.background{ background-color: rgb(133,  
181, 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](#).

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