

Converting Colors

CIELCh(70, 19.910, 187.970)

Have a look what the booklet for
CIELCh(70, 19.910, 187.970)
contains.

CIELCh(70, 20.171, 186.767)	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(70, 20.171, 186.767)

Conversions

Conversions Part 1

Format	Color
Hex	7DB6AF
RGB	125, 182, 175
RGB Percent	49%, 71%, 69%
CMY	0.5110, 0.2875, 0.3149
CMYK	0.31, 0.00, 0.04, 0.29
HSL	173°, 28%, 60%
HSV	173°, 31%, 71%
XYZ	32.7857, 40.7494, 46.5372
YIQ	164.1590, -31.7250, -14.2610

Conversions

Conversions Part 2

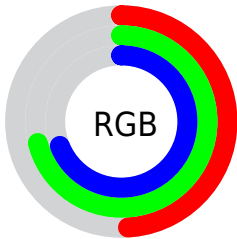
Format	Color
RYB	125, 155, 182
Decimal	8238767
CIELab	70.00, -20.03, -2.38
CIELCh	70, 20.171, 186.767
Yxy	40.7494, 0.2730, 0.3394
Android (android.graphics.Color)	4286428847 (0xFF7DB6AF)
YUV	164.1590, 5.3446, -34.3424
Hunter-Lab	63.8353, -20.0345, 1.4611

Details

The CIELCh color **70, 20.171, 186.767** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58, 23.716, 12.631**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 20.319, 186.211**, and **50, 20.160, 187.227** is the 20% darker color. If you saturate the color by 10%, you get **69, 25.712, 185.887**, and if you desaturate by 10%, it is **71, 14.122, 187.615**.

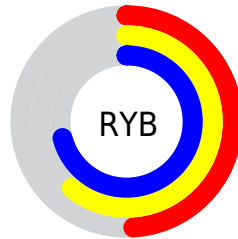
Distribution



Red (49%)

Green (71%)

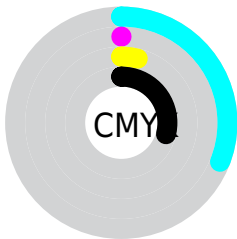
Blue (69%)



Red (49%)

Yellow (61%)

Blue (71%)

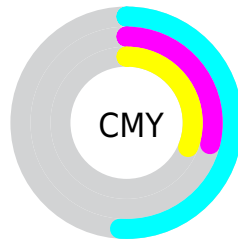


Cyan (31%)

Magenta (0%)

Yellow (4%)

Black (29%)



Cyan (51%)


Magenta (29%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 20.171, 186.767 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, 20.171, 186.767 by changing the saturation by 10% instead.


 70, 20.171,
186.767


 70, 20.171,
186.767


 100, 20.171,
186.767


 60, 20.171,
186.767


 90, 20.171,
186.767

 50, 20.171,
186.767

 40, 20.171,
186.767

 30, 20.171,
186.767

 20, 20.171,
186.767

 10, 20.171,
186.767

 0, 20.171, 186.767

70, 20.171,
186.767

70, 20.171,
186.767

69, 25.712,
185.887

71, 14.122,
187.615

68, 30.631,
184.971

72, 7.675, 188.462

74, 0.936, 189.724

68, 34.835,
184.002

75, 5.999, 9.897

67, 38.253,
182.960

77, 13.050, 10.709

67, 40.861,
181.828

79, 20.152, 11.476

81, 27.254, 12.221

67, 42.686,
180.586

81, 28.536, 10.408

66, 43.806,
179.448

81, 28.663, 8.085

Harmonies

Complementary

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



70, 20.171, 186.767



58, 23.716, 12.631

Rectangle

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



70, 20.171, 186.767



70, 20.171, 236.767



70, 20.171, 6.767



70, 20.171, 56.767

Sweetspot

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



70, 20.172, 186.764



92, 7.574, 188.656



69, 36.442, 138.967



49, 5.292, 188.528



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



70, 20.172, 186.764



88, 29.620, 186.129



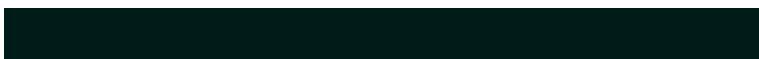
64, 16.503, 243.831



38, 3.871, 188.639



57, 38.991, 179.625



8, 11.048, 184.253

Inverse Universe

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



58, 23.716, 12.631



70, 36.324, 13.771



63, 19.336, 57.081



36, 4.049, 10.033



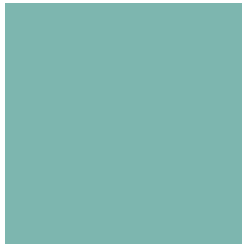
32, 67.096, 33.929



2, 10.747, 11.979

Previews

White Background



This preview shows how the CIELCh color 70, 20.171, 186.767 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, 20.171, 186.767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

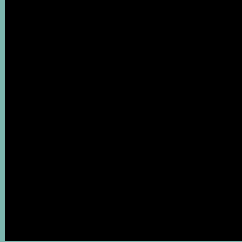
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 20.171, 186.767

Background



This preview shows how black text looks on a background with the CIELCh color 70, 20.171, 186.767.

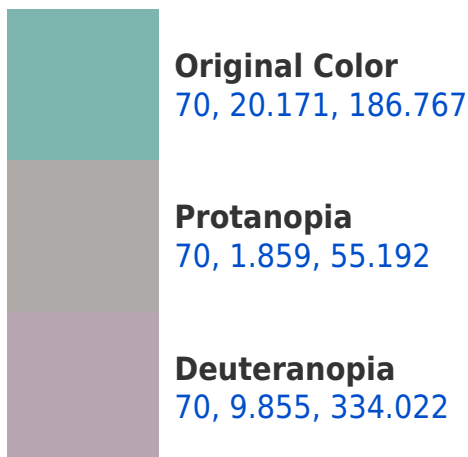


This preview shows how white text looks on a background with the CIELCh color 70, 20.171, 186.767.

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, 17.991, 223.641

Trichromacy



Original Color
70, 20.171, 186.767

Protanomaly
70, 7.041, 180.712

Deuteranomaly
69, 4.612, 244.903

Tritanomaly
70, 18.027, 208.625

Monochromacy



Original Color
70, 20.171, 186.767

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 7.464, 190.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 20.171, 186.767 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(125, 182, 175)` looks like.

```
.text, #text, p{  
    color:rgb(125, 182, 175)  
}
```

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(125, 182, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 182, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 20.171, 186.767 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(125, 182, 175) }
```

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

```
.border{ border-color:rgb(125, 182, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 182, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 182, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 182, 175);  
box-shadow:4px 4px 4px 4px rgb(125, 182,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 20.171, 186.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 182, 175) }
```

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

```
.background{ background-color: rgb(125,  
182, 175) }
```

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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