

Converting Colors

CIELCh(66, 69.691, 189.324)

Have a look what the booklet for
CIELCh(66, 69.691, 189.324)
contains.

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Color

CIELCh(70, 42.204, 187.882)

Conversions

Conversions Part 1

Format	Color
Hex	07BFB4
RGB	7, 191, 180
RGB Percent	3%, 75%, 71%
CMY	0.9740, 0.2497, 0.2930
CMYK	0.97, 0.00, 0.06, 0.25
HSL	176°, 93%, 39%
HSV	176°, 97%, 75%
XYZ	27.0494, 40.7494, 49.7701
YIQ	134.7300, -106.1330, -42.4290

Conversions

Conversions Part 2

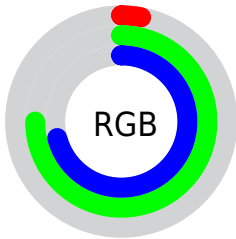
Format	Color
RYB	7, 102, 191
Decimal	507828
CIELab	70.00, -41.81, -5.79
CIELCh	70, 42.204, 187.882
Yxy	40.7494, 0.2301, 0.3466
Android (android.graphics.Color)	4278697908 (0xFF07BFB4)
YUV	134.7300, 22.3181, -112.0192
Hunter-Lab	63.8353, -36.0745, -1.5417

Details

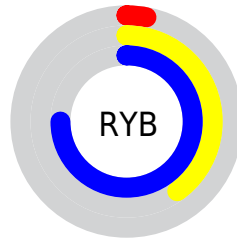
The CIELCh color **70, 42.204, 187.882** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **40, 79.904, 36.726**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 41.977, 188.131**, and **51, 33.624, 186.062** is the 20% darker color. If you saturate the color by 10%, you get **70, 42.502, 187.618**, and if you desaturate by 10%, it is **70, 41.108, 188.632**.

Distribution



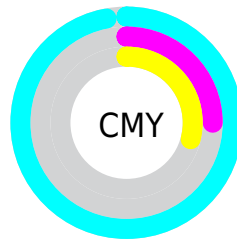
- Red (3%)
- Green (75%)
- Blue (71%)



- Red (3%)
- Yellow (40%)
- Blue (75%)



- Cyan (97%)
- Magenta (0%)
- Yellow (6%)
- Black (25%)





- Cyan (97%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 42.204, 187.882 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, 42.204, 187.882 by changing the saturation by 10% instead.


 70, 42.204,
187.882


 70, 42.204,
187.882


 100, 42.204,
187.882


 60, 42.204,
187.882


 90, 42.204,
187.882

 50, 42.204,
187.882

 40, 42.204,
187.882

 30, 42.204,
187.882

 20, 42.204,
187.882

 10, 42.204,
187.882

 0, 42.204, 187.882

■ 70, 42.204,
187.882

■ 70, 42.204,
187.882

■ 70, 42.502,
187.618

■ 70, 41.108,
188.632

■ 70, 39.246,
189.341

■ 71, 36.532,
190.020

■ 71, 32.954,
190.682

■ 72, 28.553,
191.340

■ 73, 23.406,
192.000

■ 74, 17.618,
192.671

■ 75, 11.301,

193.360

■ 77, 4.571, 194.110

Harmonies

Complementary

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



70, 42.204, 187.882



40, 79.904, 36.726

Rectangle

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



70, 42.204, 187.882



70, 42.204, 237.882



70, 42.204, 7.882



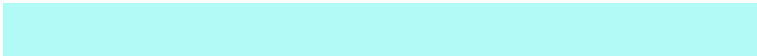
70, 42.204, 57.882

Sweetspot

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



70, 42.204, 187.881



94, 23.683, 192.473



68, 95.286, 135.841



49, 16.000, 192.184



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 42.204, 187.881



89, 52.003, 187.483



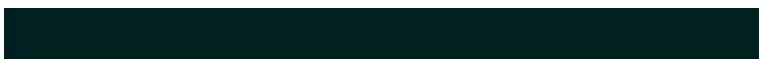
46, 49.298, 275.228



40, 3.981, 193.882



60, 37.314, 187.725



11, 12.887, 189.715

Inverse Universe

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



40, 79.904, 36.726



52, 100.653, 38.294



49, 68.967, 56.031



38, 4.195, 15.084



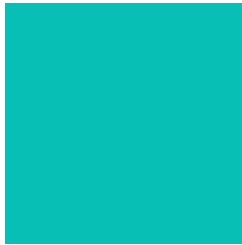
33, 71.407, 37.262



3, 14.033, 16.141

Previews

White Background



This preview shows how the CIELCh color 70, 42.204, 187.882 looks on a white background.

Color Contrast Check

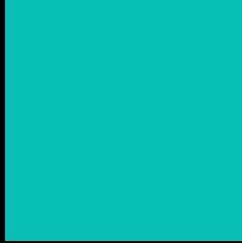
Large Text (above 18pt) WCAG AA × Fail

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, 42.204, 187.882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

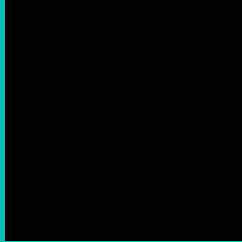
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

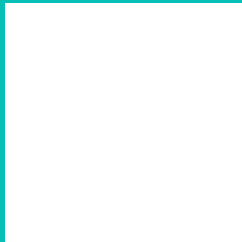
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 42.204, 187.882

Background



This preview shows how black text looks on a background with the CIELCh color 70, 42.204, 187.882.

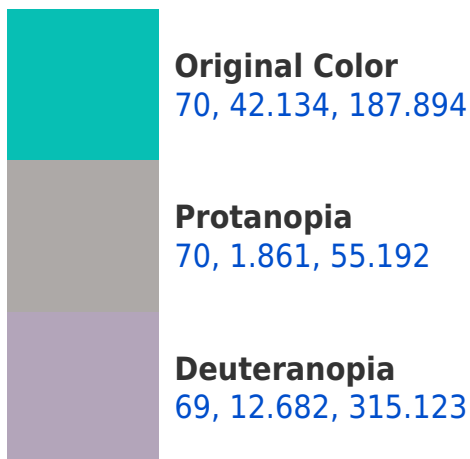


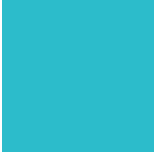
This preview shows how white text looks on a background with the CIELCh color 70, 42.204, 187.882.

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, 36.091, 210.160

Trichromacy



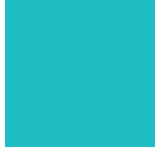
Original Color
70, 42.134, 187.894



Protanomaly
68, 22.237, 190.419



Deuteranomaly
68, 19.884, 212.477



Tritanomaly
70, 37.953, 201.618

Monochromacy



Original Color
70, 42.134, 187.894



Achromatopsia
56, 0.007, 296.813



Achromatomaly
60, 22.748, 191.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 42.204, 187.882 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(7, 191, 180)` looks like.

```
.text, #text, p{  
    color:rgb(7, 191, 180)  
}
```

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(7, 191, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 191, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 42.204, 187.882 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(7, 191, 180) }
```

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

```
.border{ border-color:rgb(7, 191, 180) }
```

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

Here you see how a box with a 4 pixel rgb(7, 191, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 191, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 191, 180);  
box-shadow:4px 4px 4px 4px rgb(7, 191,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 42.204, 187.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 191, 180) }
```

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

```
.background{ background-color: rgb(7, 191,  
180) }
```

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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