

Converting Colors

CIELCh(70, 37.165, 185.707)

Have a look what the booklet for
CIELCh(70, 37.165, 185.707)
contains.

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Color

CIELCh(70, 36.963, 186.212)

Conversions

Conversions Part 1

Format	Color
Hex	40BDB1
RGB	64, 189, 177
RGB Percent	25%, 74%, 69%
CMY	0.7481, 0.2581, 0.3052
CMYK	0.66, 0.00, 0.06, 0.26
HSL	174°, 49%, 50%
HSV	174°, 66%, 74%
XYZ	28.3171, 40.7494, 48.0574
YIQ	150.2570, -70.6480, -30.2320

Conversions

Conversions Part 2

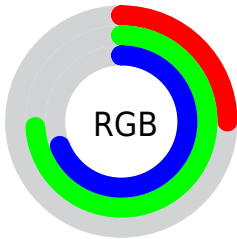
Format	Color
RYB	64, 130, 189
Decimal	4242865
CIELab	70.00, -36.75, -4.00
CIELCh	70, 36.963, 186.212
Yxy	40.7494, 0.2418, 0.3479
Android (android.graphics.Color)	4282432945 (0xFF40BDB1)
YUV	150.2570, 13.1843, -75.6474
Hunter-Lab	63.8353, -32.5299, 0.0491

Details

The CIELCh color **70, 36.963, 186.212** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **46, 54.969, 22.334**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 36.933, 186.421**, and **50, 33.300, 185.933** is the 20% darker color. If you saturate the color by 10%, you get **70, 39.913, 185.283**, and if you desaturate by 10%, it is **71, 33.170, 187.082**.

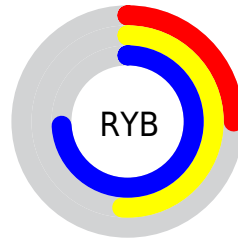
Distribution



Red (25%)

Green (74%)

Blue (69%)



Red (25%)

Yellow (51%)

Blue (74%)

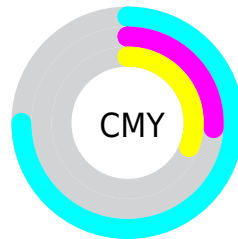


Cyan (66%)

Magenta (0%)

Yellow (6%)

Black (26%)



Cyan (75%)


Magenta (26%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 36.963, 186.212 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, 36.963, 186.212 by changing the saturation by 10% instead.


 70, 36.963,
186.212


 70, 36.963,
186.212


 100, 36.963,
186.212


 60, 36.963,
186.212


 90, 36.963,
186.212

 50, 36.963,
186.212

 40, 36.963,
186.212

 30, 36.963,
186.212

 20, 36.963,
186.212

 10, 36.963,
186.212

 0, 36.963, 186.212

70, 36.963,
186.212

70, 36.963,
186.212

70, 39.913,
185.283

71, 33.170,
187.082

69, 42.022,
184.281

71, 28.583,
187.914

69, 43.365,
183.192

72, 23.284,
188.719

69, 43.794,
182.754

73, 17.382,
189.509

74, 10.992,
190.296

76, 4.227, 191.131

77, 2.807, 11.579

79, 10.019, 12.457

Harmonies

Complementary

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



70, 36.963, 186.212



46, 54.969, 22.334

Rectangle

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



70, 36.963, 186.212



70, 36.963, 236.212



70, 36.963, 6.212



70, 36.963, 56.212

Sweetspot

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



70, 36.963, 186.211



93, 16.713, 189.959



68, 75.975, 136.938



49, 11.314, 189.738



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 36.963, 186.211



88, 49.636, 184.871



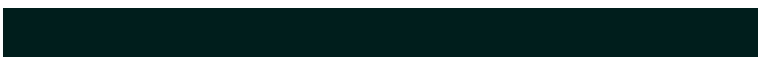
55, 33.729, 257.386



39, 3.928, 190.838



58, 38.294, 182.920



9, 12.232, 186.332

Inverse Universe

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



46, 54.969, 22.334



54, 80.720, 27.639



55, 46.882, 57.701



37, 4.122, 12.162



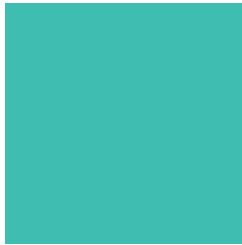
33, 69.095, 35.494



3, 12.325, 13.884

Previews

White Background



This preview shows how the CIELCh color 70, 36.963, 186.212 looks on a white background.

Color Contrast Check

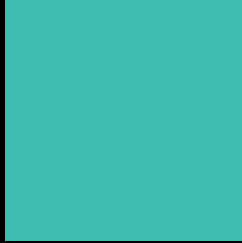
Large Text (above 18pt) WCAG AA × Fail

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, 36.963, 186.212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

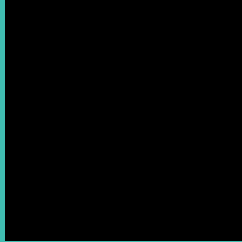
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

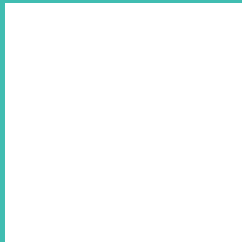
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 36.963, 186.212

Background



This preview shows how black text looks on a background with the CIELCh color 70, 36.963, 186.212.

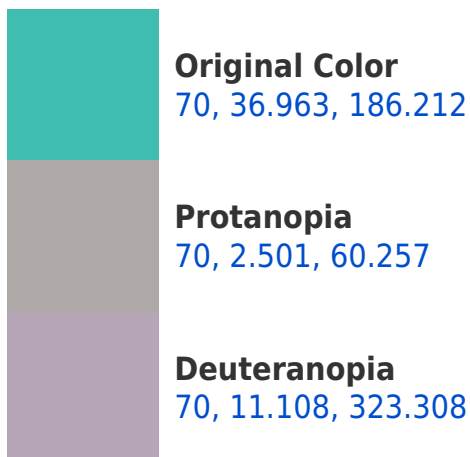


This preview shows how white text looks on a background with the CIELCh color 70, 36.963, 186.212.

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, 31.504, 212.459

Trichromacy



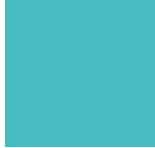
Original Color
70, 36.963, 186.212



Protanomaly
69, 15.410, 185.729



Deuteranomaly
69, 12.592, 213.739



Tritanomaly
70, 32.681, 201.805

Monochromacy



Original Color
70, 36.963, 186.212



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 16.200, 190.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 36.963, 186.212 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(64, 189, 177)` looks like.

```
.text, #text, p{  
    color:rgb(64, 189, 177)  
}
```

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(64, 189, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 189, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 36.963, 186.212 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(64, 189, 177) }
```

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

```
.border{ border-color:rgb(64, 189, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 189, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 189, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 189, 177);  
box-shadow:4px 4px 4px 4px rgb(64, 189,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 36.963, 186.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 189, 177) }
```

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

```
.background{ background-color: rgb(64, 189,  
177) }
```

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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