

Converting Colors

CIELCh(70, 36.335, 212.840)

Have a look what the booklet for
CIELCh(70, 36.335, 212.840)
contains.

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Color

CIELCh(70, 36.348, 212.807)

Conversions

Conversions Part 1

Format	Color
Hex	28BCCE
RGB	40, 188, 206
RGB Percent	16%, 74%, 81%
CMY	0.8413, 0.2638, 0.1933
CMYK	0.80, 0.09, 0.00, 0.19
HSL	187°, 67%, 48%
HSV	187°, 80%, 81%
XYZ	29.9225, 40.7494, 64.5004
YIQ	145.8000, -93.9860, -25.7780

Conversions

Conversions Part 2

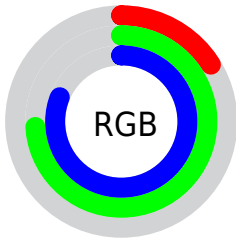
Format	Color
R_{YB}	40, 118, 206
Decimal	2669774
CIE _{Lab}	70.00, -30.55, -19.69
CIE _{LCh}	70, 36.348, 212.807
Yxy	40.7494, 0.2214, 0.3015
Android (android.graphics.Color)	4280859854 (0xFF28BCCE)
YUV	145.8000, 29.6786, -92.7866
Hunter-Lab	63.8353, -28.0406, -15.2231

Details

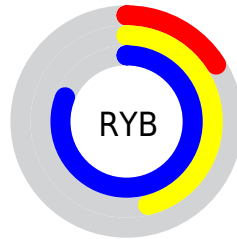
The CIELCh color **70, 36.348, 212.807** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **47, 71.875, 37.899**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 36.446, 205.485**, and **51, 30.001, 217.592** is the 20% darker color. If you saturate the color by 10%, you get **69, 37.348, 214.355**, and if you desaturate by 10%, it is **71, 34.502, 211.606**.

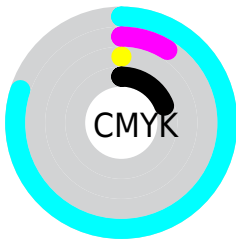
Distribution



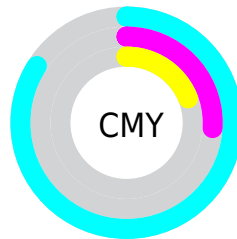
- Red (16%)
- Green (74%)
- Blue (81%)



- Red (16%)
- Yellow (46%)
- Blue (81%)



- Cyan (80%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)





- Cyan (84%)
- Magenta (26%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 36.348, 212.807 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, 36.348, 212.807 by changing the saturation by 10% instead.


 70, 36.348,
212.807


 70, 36.348,
212.807


 100, 36.348,
212.807


 60, 36.348,
212.807


 90, 36.348,
212.807

 50, 36.348,
212.807

 40, 36.348,
212.807

 30, 36.348,
212.807

 20, 36.348,
212.807

 10, 36.348,
212.807

 0, 36.348, 212.807

70, 36.348,
212.807

70, 36.348,
212.807

69, 37.348,
214.355

71, 34.502,
211.606

68, 37.704,
216.160

72, 31.772,
210.713

74, 28.177,
210.084

75, 23.783,
209.676

77, 18.683,
209.452

79, 12.984,
209.383

81, 6.795, 209.457

83, 0.219, 212.089

Harmonies

Complementary

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



70, 36.348, 212.807



47, 71.875, 37.899

Rectangle

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



70, 36.348, 212.807



70, 36.348, 262.807



70, 36.348, 32.807



70, 36.348, 82.807

Sweetspot

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



70, 36.347, 212.806



94, 18.005, 209.393



73, 90.138, 139.029



50, 12.207, 209.422



0, 0.000, 0.000



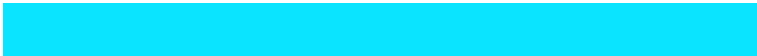
53, 0.007, 296.813

Same Dimension

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



70, 36.347, 212.806



83, 44.214, 215.635



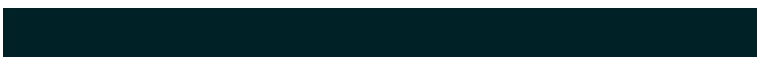
46, 59.179, 284.972



42, 3.717, 209.474



56, 32.145, 215.820



11, 12.179, 211.366

Inverse Universe

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



50, 85.348, 332.120



59, 105.610, 332.998



63, 61.480, 73.844



40, 6.995, 328.062



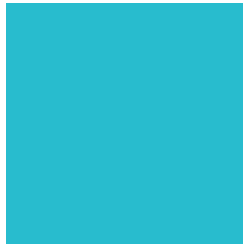
38, 76.911, 333.060



5, 26.588, 331.369

Previews

White Background



This preview shows how the CIELCh color 70, 36.348, 212.807 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, 36.348, 212.807 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, 36.348, 212.807

Background



This preview shows how black text looks on a background with the CIELCh color 70, 36.348, 212.807.



This preview shows how white text looks on a background with the CIELCh color 70, 36.348, 212.807.

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



Original Color

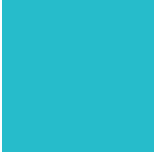
70, 36.434, 212.763

Protanopia

69, 13.730, 288.598

Deuteranopia

69, 24.169, 292.560



Tritanopia
70, 36.626, 209.927

Trichromacy



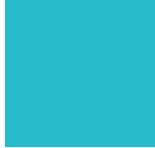
Original Color
70, 36.434, 212.763



Protanomaly
69, 21.191, 235.213



Deuteranomaly
69, 24.484, 248.736



Tritanomaly
70, 36.526, 210.881

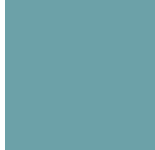
Monochromacy



Original Color
70, 36.434, 212.763



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 18.171, 210.481

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 36.348, 212.807 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(40, 188, 206)` looks like.

```
.text, #text, p{  
    color:rgb(40, 188, 206)  
}
```

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(40, 188, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 188, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 36.348, 212.807 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(40, 188, 206) }
```

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

```
.border{ border-color:rgb(40, 188, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 188, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 188, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 188, 206);  
box-shadow:4px 4px 4px 4px rgb(40, 188,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 36.348, 212.807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 188, 206) }
```

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

```
.background{ background-color: rgb(40, 188,  
206) }
```

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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