

Converting Colors

CIELCh(70, 36.245, 191.360)

Have a look what the booklet for
CIELCh(70, 36.245, 191.360)
contains.

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Color

CIELCh(70, 36.250, 191.367)

Conversions

Conversions Part 1

Format	Color
Hex	3DBDB7
RGB	61, 189, 183
RGB Percent	24%, 74%, 72%
CMY	0.7613, 0.2592, 0.2828
CMYK	0.68, 0.00, 0.03, 0.26
HSL	177°, 51%, 49%
HSV	177°, 68%, 74%
XYZ	28.6252, 40.7494, 51.0969
YIQ	150.0440, -74.3620, -29.0020

Conversions

Conversions Part 2

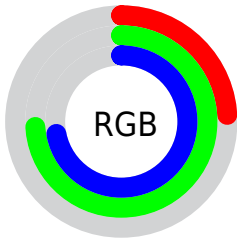
Format	Color
RYB	61, 127, 189
Decimal	4046263
CIELab	70.00, -35.54, -7.14
CIElCh	70, 36.250, 191.367
Yxy	40.7494, 0.2376, 0.3382
Android (android.graphics.Color)	4282236343 (0xFF3DBDB7)
YUV	150.0440, 16.2473, -78.0916
Hunter-Lab	63.8353, -31.6682, -2.7740

Details

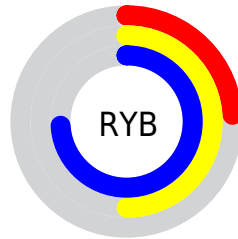
The CIELCh color **70, 36.250, 191.367** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **45, 57.542, 26.430**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 36.371, 191.304**, and **51, 32.158, 190.997** is the 20% darker color. If you saturate the color by 10%, you get **70, 38.766, 190.786**, and if you desaturate by 10%, it is **71, 32.875, 191.943**.

Distribution



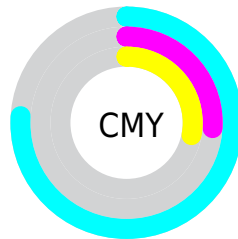
- Red (24%)
- Green (74%)
- Blue (72%)



- Red (24%)
- Yellow (50%)
- Blue (74%)



- Cyan (68%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)





- Cyan (76%)
- Magenta (26%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 36.250, 191.367 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, 36.250, 191.367 by changing the saturation by 10% instead.


 70, 36.250,
191.367


 70, 36.250,
191.367


 100, 36.250,
191.367


 60, 36.250,
191.367


 90, 36.250,
191.367

 50, 36.250,
191.367

 40, 36.250,
191.367

 30, 36.250,
191.367

 20, 36.250,
191.367

 10, 36.250,
191.367

 0, 36.250, 191.367

70, 36.250,
191.367

70, 36.250,
191.367

70, 38.766,
190.786

71, 32.875,
191.943

69, 40.445,
190.194

71, 28.674,
192.529

69, 41.399,
189.577

72, 23.718,
193.129

69, 41.576,
189.440

73, 18.106,
193.750

74, 11.948,
194.395

75, 5.356, 195.096

77, 1.561, 15.323

78, 8.708, 16.268

Harmonies

Complementary

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



70, 36.250, 191.367



45, 57.542, 26.430

Rectangle

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



70, 36.250, 191.367



70, 36.250, 241.367



70, 36.250, 11.367



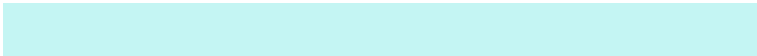
70, 36.250, 61.367

Sweetspot

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



70, 36.250, 191.366



93, 16.472, 194.228



68, 78.317, 137.646



49, 11.140, 194.046



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, 36.250, 191.366



88, 48.142, 190.521



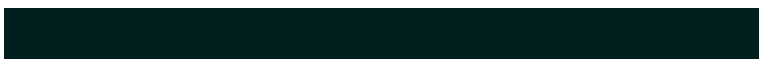
53, 36.788, 264.645



39, 3.885, 194.977



59, 36.426, 189.529



9, 11.904, 191.538

Inverse Universe

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



45, 57.542, 26.430



54, 84.956, 31.778



56, 47.938, 62.170



37, 4.099, 16.123



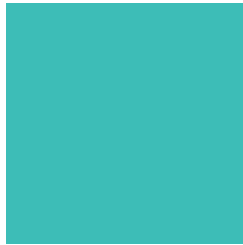
32, 71.006, 37.753



3, 12.273, 16.704

Previews

White Background



This preview shows how the CIELCh color 70, 36.250, 191.367 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, 36.250, 191.367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

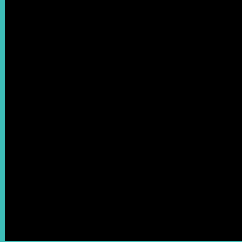
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

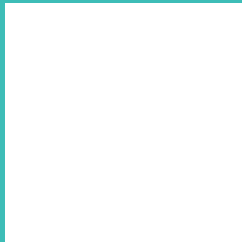
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 36.250, 191.367

Background



This preview shows how black text looks on a background with the CIELCh color 70, 36.250, 191.367.

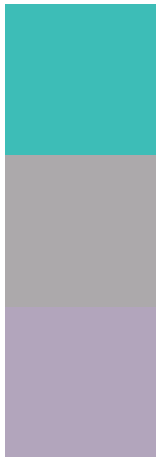


This preview shows how white text looks on a background with the CIELCh color 70, 36.250, 191.367.

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, 36.250, 191.367

Protanopia
70, 1.590, 335.589

Deuteranopia
69, 13.554, 311.826



Tritanopia
70, 32.316, 212.012

Trichromacy



Original Color
70, 36.250, 191.367



Protanomaly
69, 15.438, 196.104



Deuteranomaly
69, 14.663, 225.354



Tritanomaly
70, 33.352, 203.596

Monochromacy



Original Color
70, 36.250, 191.367



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 16.279, 194.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 36.250, 191.367 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(61, 189, 183)` looks like.

```
.text, #text, p{  
    color:rgb(61, 189, 183)  
}
```

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(61, 189, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 189, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 36.250, 191.367 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(61, 189, 183) }
```

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

```
.border{ border-color:rgb(61, 189, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 189, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 189, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 189, 183);  
box-shadow:4px 4px 4px 4px rgb(61, 189,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 36.250, 191.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 189, 183) }
```

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

```
.background{ background-color: rgb(61, 189,  
183) }
```

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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