

Converting Colors

CIELCh(72, 29.852, 187.495)

Have a look what the booklet for
CIELCh(72, 29.852, 187.495)
contains.

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Color

CIELCh(72, 29.876, 187.593)

Conversions

Conversions Part 1

Format	Color
Hex	64C0B7
RGB	100, 192, 183
RGB Percent	39%, 75%, 72%
CMY	0.6091, 0.2483, 0.2836
CMYK	0.48, 0.00, 0.05, 0.25
HSL	174°, 42%, 57%
HSV	174°, 48%, 75%
XYZ	32.5163, 43.6590, 51.3452
YIQ	163.4660, -51.9430, -22.3030

Conversions

Conversions Part 2

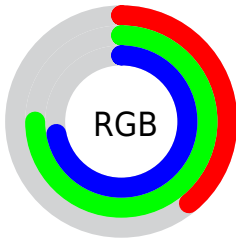
Format	Color
RYB	100, 148, 192
Decimal	6602935
CIELab	72.00, -29.61, -3.95
CIELCh	72, 29.876, 187.593
Yxy	43.6590, 0.2550, 0.3424
Android (android.graphics.Color)	4284793015 (0xFF64C0B7)
YUV	163.4660, 9.6303, -55.6597
Hunter-Lab	66.0750, -27.7891, 0.1797

Details

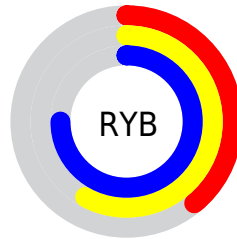
The CIELCh color **72, 29.876, 187.593** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **53, 39.471, 17.467**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 29.848, 187.465**, and **52, 29.954, 187.488** is the 20% darker color. If you saturate the color by 10%, you get **71, 34.368, 186.744**, and if you desaturate by 10%, it is **73, 24.647, 188.408**.

Distribution



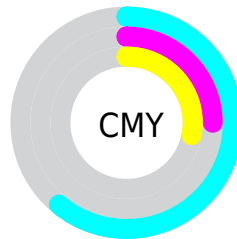
- Red (39%)
- Green (75%)
- Blue (72%)



- Red (39%)
- Yellow (58%)
- Blue (75%)



- Cyan (48%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)





- Cyan (61%)
- Magenta (25%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 29.876, 187.593 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 72, 29.876, 187.593 by changing the saturation by 10% instead.


 72, 29.876,
187.593


 72, 29.876,
187.593


 100, 29.876,
187.593


 62, 29.876,
187.593


 92, 29.876,
187.593

 52, 29.876,
187.593

 42, 29.876,
187.593

 32, 29.876,
187.593

 22, 29.876,
187.593

 12, 29.876,
187.593

 2, 29.876, 187.593

0, 29.876, 187.593

72, 29.876,
187.593

72, 29.876,
187.593

71, 34.368,
186.744

73, 24.647,
188.408

71, 38.044,
185.853

74, 18.786,
189.206

70, 40.863,
184.900

75, 12.408,
189.997

70, 42.841,
183.867

76, 5.632, 190.813

70, 44.094,
182.749

78, 1.436, 11.117

80, 8.700, 12.169

70, 44.315,
182.524

81, 16.078, 12.938

■ 83, 23.506, 13.681

■ 83, 24.318, 11.694

Harmonies

Complementary

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



72, 29.876, 187.593



53, 39.471, 17.467

Rectangle

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



72, 29.876, 187.593



72, 29.876, 237.593



72, 29.876, 7.593



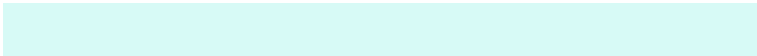
72, 29.876, 57.593

Sweetspot

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



72, 29.876, 187.591



96, 12.076, 190.297



71, 58.073, 138.477



51, 8.294, 190.123



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



72, 29.876, 187.591



90, 42.414, 186.663



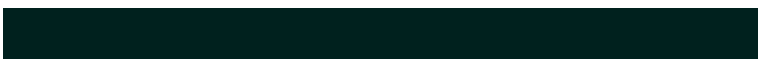
62, 25.938, 251.903



40, 4.017, 190.695



59, 38.824, 182.688



10, 13.230, 185.725

Inverse Universe

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



53, 39.471, 17.467



63, 60.162, 20.105



62, 32.673, 59.248



38, 4.215, 12.030



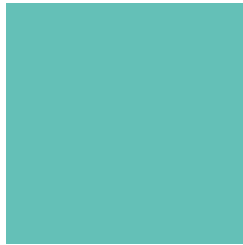
33, 69.891, 35.467



3, 14.078, 14.078

Previews

White Background



This preview shows how the CIELCh color 72, 29.876, 187.593 looks on a white background.

Color Contrast Check

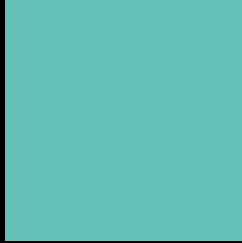
Large Text (above 18pt) WCAG AA × Fail

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 72, 29.876, 187.593 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

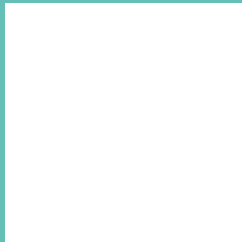
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 29.876, 187.593

Background



This preview shows how black text looks on a background with the CIELCh color 72, 29.876, 187.593.

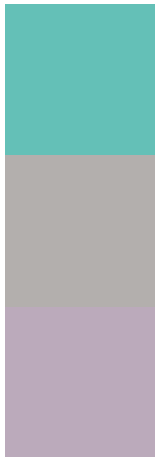


This preview shows how white text looks on a background with the CIELCh color 72, 29.876, 187.593.

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

72, 29.876, 187.593

Protanopia

72, 1.848, 55.193

Deuteranopia

71, 11.253, 324.913



Tritanopia
72, 26.243, 215.921

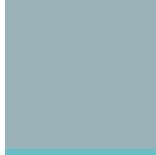
Trichromacy



Original Color
72, 29.876, 187.593



Protanomaly
71, 11.421, 187.456



Deuteranomaly
71, 8.934, 224.267



Tritanomaly
72, 26.764, 204.503

Monochromacy



Original Color
72, 29.876, 187.593



Achromatopsia
67, 0.008, 296.813



Achromatomaly
68, 12.042, 190.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 29.876, 187.593 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(100, 192, 183)` looks like.

```
.text, #text, p{  
    color:rgb(100, 192, 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(100, 192, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 192, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 29.876, 187.593 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(100, 192, 183) }
```

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

```
.border{ border-color:rgb(100, 192, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 192, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 192, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 192, 183);  
box-shadow:4px 4px 4px 4px rgb(100, 192,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 29.876, 187.593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 192, 183) }
```

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

```
.background{ background-color: rgb(100,  
192, 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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