

Converting Colors

CIELCh(72, 37.669, 212.046)

Have a look what the booklet for
CIELCh(72, 37.669, 212.046)
contains.

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Color

CIELCh(72, 37.665, 212.106)

Conversions

Conversions Part 1

Format	Color
Hex	25C2D4
RGB	37, 194, 212
RGB Percent	15%, 76%, 83%
CMY	0.8560, 0.2397, 0.1691
CMYK	0.83, 0.08, 0.00, 0.17
HSL	186°, 70%, 49%
HSV	186°, 83%, 83%
XYZ	31.8815, 43.6590, 68.9452
YIQ	149.1090, -99.3500, -27.6860

Conversions

Conversions Part 2

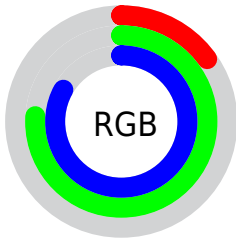
Format	Color
RYB	37, 120, 212
Decimal	2474708
CIELab	72.00, -31.90, -20.02
CIELCh	72, 37.665, 212.106
Yxy	43.6590, 0.2207, 0.3022
Android (android.graphics.Color)	4280664788 (0xFF25C2D4)
YUV	149.1090, 31.0053, -98.3196
Hunter-Lab	66.0750, -29.5041, -15.6130

Details

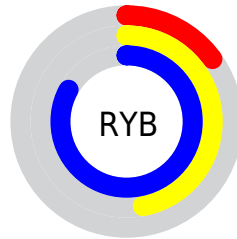
The CIELCh color **72, 37.665, 212.106** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **48, 76.131, 38.188**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 38.047, 200.240**, and **53, 30.910, 215.599** is the 20% darker color. If you saturate the color by 10%, you get **71, 38.486, 213.634**, and if you desaturate by 10%, it is **73, 35.992, 210.913**.

Distribution



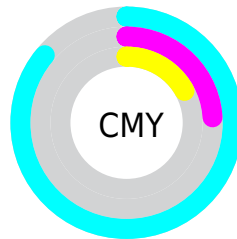
- Red (15%)
- Green (76%)
- Blue (83%)



- Red (15%)
- Yellow (47%)
- Blue (83%)



- Cyan (83%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)





- Cyan (86%)
- Magenta (24%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 37.665, 212.106 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, 37.665, 212.106 by changing the saturation by 10% instead.


 72, 37.665,
212.106


 72, 37.665,
212.106


 100, 37.665,
212.106


 62, 37.665,
212.106


 92, 37.665,
212.106

 52, 37.665,
212.106

 42, 37.665,
212.106

 32, 37.665,
212.106

 22, 37.665,
212.106

 12, 37.665,
212.106

 2, 37.665, 212.106

■ 0, 37.665, 212.106

■ 72, 37.665,
212.106

■ 72, 37.665,
212.106

■ 71, 38.486,
213.634

■ 73, 35.992,
210.913

■ 71, 38.705,
214.939

■ 74, 33.411,
210.024

■ 75, 29.927,
209.395

■ 77, 25.598,
208.988

■ 79, 20.515,
208.765

■ 80, 14.787,
208.696

■ 82, 8.525, 208.766

■ 84, 1.840, 209.148

■ 86, 5.170, 28.929

Harmonies

Complementary

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



72, 37.665, 212.106



48, 76.131, 38.188

Rectangle

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



72, 37.665, 212.106



72, 37.665, 262.106



72, 37.665, 32.106



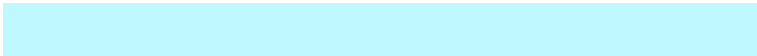
72, 37.665, 82.106

Sweetspot

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



72, 37.664, 212.105



94, 18.783, 208.701



75, 93.875, 138.701



49, 12.645, 208.722



0, 0.000, 0.000



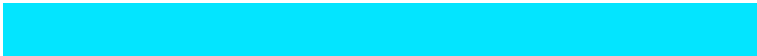
53, 0.007, 296.813

Same Dimension

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



72, 37.664, 212.105



84, 44.458, 214.974



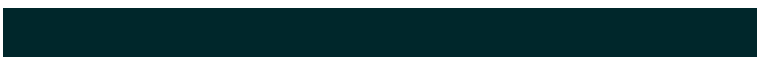
46, 62.498, 285.945



44, 3.889, 208.823



58, 33.008, 214.631



13, 13.146, 210.937

Inverse Universe

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



51, 88.770, 331.988



59, 106.364, 332.848



64, 64.439, 73.351



42, 7.314, 327.876



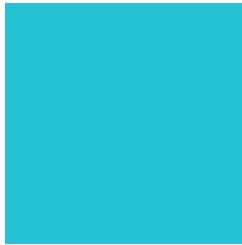
39, 79.013, 332.768



6, 30.569, 331.682

Previews

White Background



This preview shows how the CIELCh color 72, 37.665, 212.106 looks on a white background.

Color Contrast Check

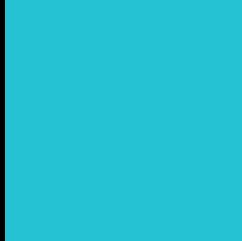
Large Text (above 18pt) WCAG AA × Fail

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, 37.665, 212.106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

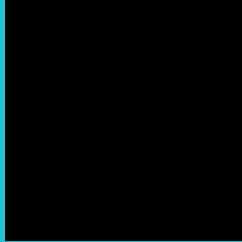
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 37.665, 212.106

Background



This preview shows how black text looks on a background with the CIELCh color 72, 37.665, 212.106.

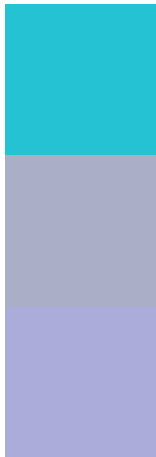


This preview shows how white text looks on a background with the CIELCh color 72, 37.665, 212.106.

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

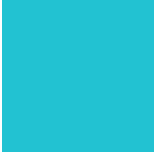
72, 37.665, 212.106

Protanopia

72, 13.658, 287.081

Deuteranopia

72, 24.555, 291.758

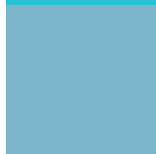


Tritanopia
72, 37.907, 210.238

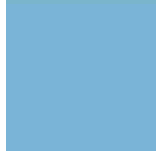
Trichromacy



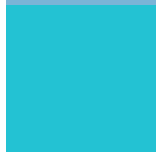
Original Color
72, 37.665, 212.106



Protanomaly
71, 22.040, 233.279



Deuteranomaly
71, 25.465, 247.600

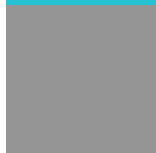


Tritanomaly
72, 37.820, 211.152

Monochromacy



Original Color
72, 37.665, 212.106



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 19.279, 209.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 37.665, 212.106 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(37, 194, 212)` looks like.

```
.text, #text, p{  
    color:rgb(37, 194, 212)  
}
```

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(37, 194, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 194, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 37.665, 212.106 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(37, 194, 212) }
```

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

```
.border{ border-color:rgb(37, 194, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 194, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 194, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 194, 212);  
box-shadow:4px 4px 4px 4px rgb(37, 194,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 37.665, 212.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 194, 212) }
```

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

```
.background{ background-color: rgb(37, 194,  
212) }
```

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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