

Converting Colors

CIELCh(75, 24.066, 175.618)

Have a look what the booklet for
CIELCh(75, 24.066, 175.618)
contains.

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Color

CIELCh(75, 24.208, 175.202)

Conversions

Conversions Part 1

Format	Color
Hex	85C5B4
RGB	133, 197, 180
RGB Percent	52%, 77%, 71%
CMY	0.4780, 0.2270, 0.2937
CMYK	0.32, 0.00, 0.09, 0.23
HSL	164°, 36%, 65%
HSV	164°, 32%, 77%
XYZ	37.9307, 48.2781, 50.5576
YIQ	175.9260, -32.6870, -18.8550

Conversions

Conversions Part 2

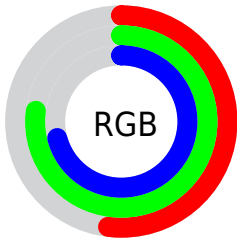
Format	Color
RYB	133, 170, 197
Decimal	8766900
CIELab	75.00, -24.12, 2.02
CIElCh	75, 24.208, 175.202
Yxy	48.2781, 0.2773, 0.3530
Android (android.graphics.Color)	4286956980 (0xFF85C5B4)
YUV	175.9260, 2.0085, -37.6461
Hunter-Lab	69.4824, -24.1507, 5.4965

Details

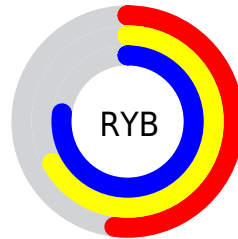
The CIELCh color **75, 24.208, 175.202** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **62, 26.993, 2.074**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 24.195, 175.351**, and **55, 24.423, 174.857** is the 20% darker color. If you saturate the color by 10%, you get **74, 30.904, 174.040**, and if you desaturate by 10%, it is **76, 17.063, 176.272**.

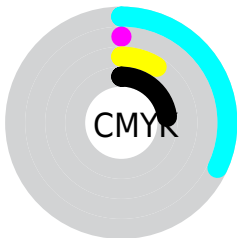
Distribution



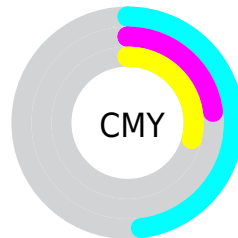
- Red (52%)
- Green (77%)
- Blue (71%)



- Red (52%)
- Yellow (67%)
- Blue (77%)



- Cyan (32%)
- Magenta (0%)
- Yellow (9%)
- Black (23%)





- Cyan (48%)
- Magenta (23%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 24.208, 175.202 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 75, 24.208, 175.202 by changing the saturation by 10% instead.


 75, 24.208,
175.202


 75, 24.208,
175.202


 100, 24.208,
175.202


 65, 24.208,
175.202


 95, 24.208,
175.202

 55, 24.208,
175.202

 45, 24.208,
175.202

 35, 24.208,
175.202

 25, 24.208,
175.202

 15, 24.208,
175.202

 5, 24.208, 175.202

0, 24.208, 175.202

75, 24.208,
175.202

75, 24.208,
175.202

74, 30.904,
174.040

76, 17.063,
176.272

73, 37.018,
172.770

78, 9.592, 177.283

72, 42.436,
171.366

79, 1.913, 178.413

81, 5.874, 358.953

72, 47.069,
169.804

83, 13.689,
359.833

71, 50.880,
168.062

85, 21.467, 0.640

71, 53.896,
166.128

85, 23.615,
355.620

■ 71, 55.795,
164.597

■ 85, 24.764,
349.792

■ 85, 26.161,
344.558

Harmonies

Complementary

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



75, 24.208, 175.202



62, 26.993, 2.074

Rectangle

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



75, 24.208, 175.202



75, 24.208, 225.202



75, 24.208, 355.202



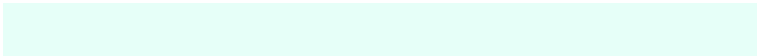
75, 24.208, 45.202

Sweetspot

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



75, 24.209, 175.200



98, 9.501, 177.515



75, 38.652, 135.172



52, 6.473, 177.372



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 24.209, 175.200



94, 35.243, 174.384



71, 17.890, 225.579



41, 4.407, 177.592



60, 48.277, 164.911



11, 16.199, 170.310

Inverse Universe

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



62, 26.993, 2.074



75, 40.312, 3.208



66, 22.270, 42.617



39, 4.542, 359.209



34, 63.686, 23.554



4, 16.389, 5.909

Previews

White Background



This preview shows how the CIE LCh color 75, 24.208, 175.202 looks on a white background.

Color Contrast Check

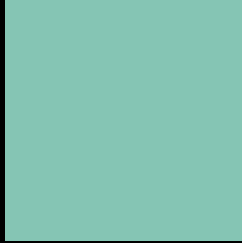
Large Text (above 18pt) WCAG AA × Fail

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 75, 24.208, 175.202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

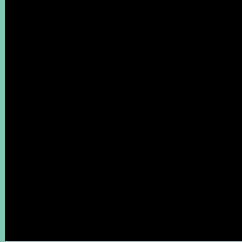
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

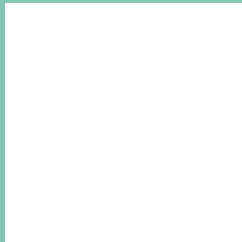
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 24.208, 175.202

Background



This preview shows how black text looks on a background with the CIELCh color 75, 24.208, 175.202.

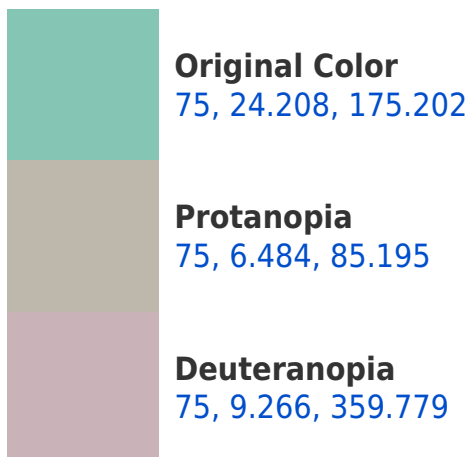


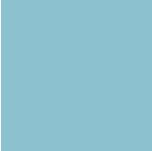
This preview shows how white text looks on a background with the CIELCh color 75, 24.208, 175.202.

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](#).

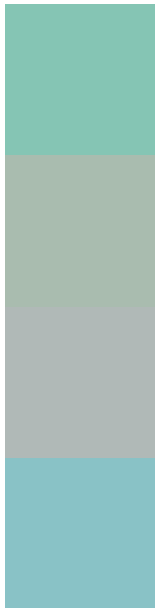
Dichromacy





Tritanopia
75, 18.860, 223.864

Trichromacy



Original Color
75, 24.208, 175.202

Protanomaly
75, 10.019, 154.247

Deuteranomaly
74, 3.499, 181.275

Tritanomaly
75, 19.083, 204.559

Monochromacy



Original Color
75, 24.208, 175.202

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 9.626, 175.383

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 24.208, 175.202 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(133, 197, 180)` looks like.

```
.text, #text, p{  
    color:rgb(133, 197, 180)  
}
```

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(133, 197, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 197, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 24.208, 175.202 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(133, 197, 180) }
```

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

```
.border{ border-color:rgb(133, 197, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 197, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 197, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 197, 180); box-shadow:4px 4px 4px 4px rgb(133, 197, 180) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 24.208, 175.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 197, 180) }
```

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

```
.background{ background-color: rgb(133,  
197, 180) }
```

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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