

Converting Colors

CIELCh(75, 37.407, 162.792)

Have a look what the booklet for
CIELCh(75, 37.407, 162.792)
contains.

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Color

CIELCh(75, 37.475, 162.549)

Conversions

Conversions Part 1

Format	Color
Hex	71CAA3
RGB	113, 202, 163
RGB Percent	44%, 79%, 64%
CMY	0.5577, 0.2086, 0.3616
CMYK	0.44, 0.00, 0.19, 0.21
HSL	154°, 46%, 62%
HSV	154°, 44%, 79%
XYZ	34.4489, 48.2781, 42.0605
YIQ	170.9430, -40.5250, -30.9970

Conversions

Conversions Part 2

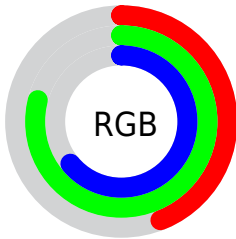
Format	Color
RYB	113, 170, 202
Decimal	7457443
CIELab	75.00, -35.75, 11.24
CIELCh	75, 37.475, 162.549
Yxy	48.2781, 0.2761, 0.3869
Android (android.graphics.Color)	4285647523 (0xFF71CAA3)
YUV	170.9430, -3.9159, -50.8160
Hunter-Lab	69.4824, -33.0954, 12.7471

Details

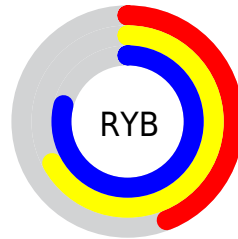
The CIELCh color **75, 37.475, 162.549** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **59, 40.226, 352.008**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.970, 164.230**, and **55, 37.417, 162.534** is the 20% darker color. If you saturate the color by 10%, you get **74, 44.999, 161.156**, and if you desaturate by 10%, it is **76, 29.431, 163.787**.

Distribution



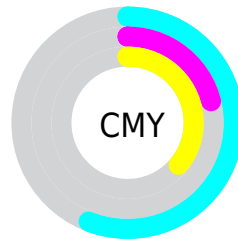
- Red (44%)
- Green (79%)
- Blue (64%)



- Red (44%)
- Yellow (67%)
- Blue (79%)



- Cyan (44%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)





- Cyan (56%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 37.475, 162.549 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, 37.475, 162.549 by changing the saturation by 10% instead.

 75, 37.475,
162.549


 75, 37.475,
162.549


 100, 37.475,
162.549


 65, 37.475,
162.549


 95, 37.475,
162.549

 55, 37.475,
162.549

 45, 37.475,
162.549

 35, 37.475,
162.549

 25, 37.475,
162.549

 15, 37.475,
162.549

 5, 37.475, 162.549

0, 37.475, 162.549

75, 37.475,
162.549

75, 37.475,
162.549

74, 44.999,
161.156

76, 29.431,
163.787

73, 51.861,
159.586

77, 21.012,
164.897

73, 57.954,
157.815

79, 12.359,
165.906

72, 63.221,
155.831

81, 3.596, 166.896

72, 67.683,
153.644

82, 5.174, 347.521

72, 70.058,
152.327

84, 13.869,
348.339

86, 22.429,

349.062

■ 87, 25.252,
340.455

■ 87, 28.332,
333.243

Harmonies

Complementary

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



75, 37.475, 162.549



59, 40.226, 352.008

Rectangle

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



75, 37.475, 162.549



75, 37.475, 212.549



75, 37.475, 342.549



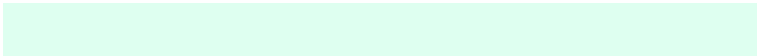
75, 37.475, 32.549

Sweetspot

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



75, 37.476, 162.548



97, 13.779, 165.996



76, 50.339, 128.759



52, 9.635, 165.778



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, 37.476, 162.548



91, 53.351, 161.211



75, 26.508, 202.733



42, 5.019, 166.359



60, 60.115, 152.682



12, 20.141, 158.471

Inverse Universe

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



59, 40.226, 352.008



68, 57.845, 353.605



59, 36.723, 27.373



40, 5.102, 347.902



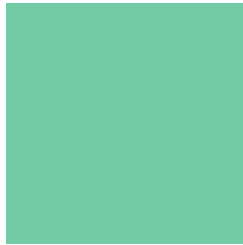
35, 61.161, 7.524



4, 19.368, 357.307

Previews

White Background



This preview shows how the CIELCh color 75, 37.475, 162.549 looks on a white background.

Color Contrast Check

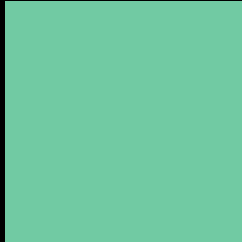
Large Text (above 18pt) WCAG AA × Fail

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, 37.475, 162.549 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, 37.475, 162.549

Background



This preview shows how black text looks on a background with the CIELCh color 75, 37.475, 162.549.

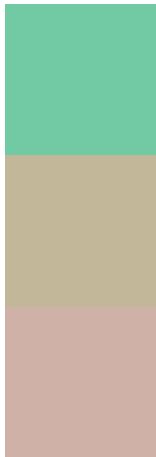


This preview shows how white text looks on a background with the CIELCh color 75, 37.475, 162.549.

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
75, 37.475, 162.549

Protanopia
75, 16.708, 93.416

Deuteranopia
75, 12.733, 42.505

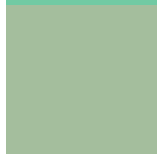


Tritanopia
75, 23.307, 219.866

Trichromacy



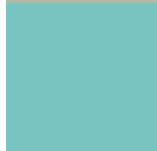
Original Color
75, 37.475, 162.549



Protanomaly
74, 20.406, 137.627



Deuteranomaly
74, 11.898, 133.690



Tritanomaly
75, 25.023, 192.529

Monochromacy



Original Color
75, 37.475, 162.549



Achromatopsia
70, 0.009, 296.813



Achromatomaly
71, 14.143, 165.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 37.475, 162.549 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(113, 202, 163)` looks like.

```
.text, #text, p{  
    color:rgb(113, 202, 163)  
}
```

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(113, 202, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 202, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 37.475, 162.549 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(113, 202, 163) }
```

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

```
.border{ border-color:rgb(113, 202, 163) }
```

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

Here you see how a box with a 4 pixel rgb(113, 202, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 202, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 202, 163);  
box-shadow:4px 4px 4px 4px rgb(113, 202,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 37.475, 162.549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 202, 163) }
```

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

```
.background{ background-color: rgb(113,  
202, 163) }
```

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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