

Converting Colors

CIELCh(75, 38.622, 158.769)

Have a look what the booklet for
CIELCh(75, 38.622, 158.769)
contains.

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Color

CIELCh(75, 38.597, 158.794)

Conversions

Conversions Part 1

Format	Color
Hex	74CA9E
RGB	116, 202, 158
RGB Percent	45%, 79%, 62%
CMY	0.5461, 0.2088, 0.3813
CMYK	0.43, 0.00, 0.22, 0.21
HSL	149°, 45%, 62%
HSV	149°, 43%, 79%
XYZ	34.3813, 48.2781, 39.7454
YIQ	171.2700, -37.1320, -31.9160

Conversions

Conversions Part 2

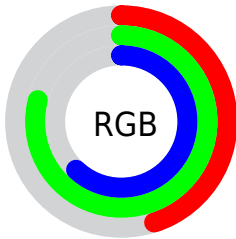
Format	Color
RYB	116, 174, 202
Decimal	7654046
CIELab	75.00, -35.98, 13.96
CIELCh	75, 38.597, 158.794
Yxy	48.2781, 0.2809, 0.3944
Android (android.graphics.Color)	4285844126 (0xFF74CA9E)
YUV	171.2700, -6.5421, -48.4718
Hunter-Lab	69.4824, -33.2690, 14.7226

Details

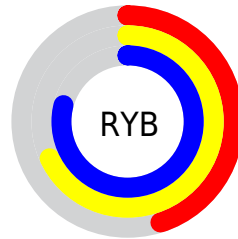
The CIELCh color **75, 38.597, 158.794** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **59, 40.424, 347.276**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 35.900, 160.230**, and **55, 38.212, 159.200** is the 20% darker color. If you saturate the color by 10%, you get **74, 46.825, 157.439**, and if you desaturate by 10%, it is **76, 29.894, 159.989**.

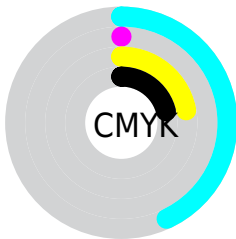
Distribution



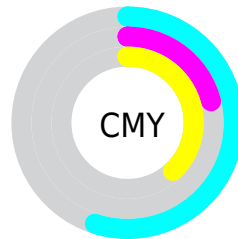
- Red (45%)
- Green (79%)
- Blue (62%)



- Red (45%)
- Yellow (68%)
- Blue (79%)



- Cyan (43%)
- Magenta (0%)
- Yellow (22%)
- Black (21%)





- Cyan (55%)
- Magenta (21%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 38.597, 158.794 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, 38.597, 158.794 by changing the saturation by 10% instead.


 75, 38.597,
158.794

 75, 38.597,
158.794


 100, 38.597,
158.794


 65, 38.597,
158.794


 95, 38.597,
158.794

 55, 38.597,
158.794

 45, 38.597,
158.794

 35, 38.597,
158.794

 25, 38.597,
158.794

 15, 38.597,
158.794

 5, 38.597, 158.794

■ 0, 38.597, 158.794

■ 75, 38.597,
158.794

■ 75, 38.597,
158.794

■ 74, 46.825,
157.439

■ 76, 29.894,
159.989

■ 73, 54.421,
155.901

■ 78, 20.869,
161.053

■ 73, 61.258,
154.161

■ 79, 11.669,
162.011

■ 72, 67.252,
152.209

■ 81, 2.417, 162.992

■ 72, 72.394,
150.057

■ 83, 6.787, 343.534

■ 72, 75.763,
148.423

■ 85, 15.865,
344.271

■ 87, 24.192,

343.834

■ 87, 27.606,
334.756

■ 87, 31.593,
327.930

Harmonies

Complementary

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



75, 38.597, 158.794



59, 40.424, 347.276

Rectangle

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



75, 38.597, 158.794



75, 38.597, 208.794



75, 38.597, 338.794



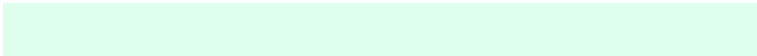
75, 38.597, 28.794

Sweetspot

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



75, 38.598, 158.793



97, 14.532, 161.960



77, 47.840, 126.481



52, 10.168, 161.752



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, 38.598, 158.793



91, 54.985, 157.571



76, 27.320, 195.771



42, 5.289, 162.306



60, 64.996, 148.774



12, 21.533, 154.797

Inverse Universe

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



59, 40.424, 347.276



69, 57.837, 348.545



58, 36.656, 22.501



40, 5.353, 343.764



35, 61.561, 0.539



4, 20.037, 352.808

Previews

White Background



This preview shows how the CIELCh color 75, 38.597, 158.794 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, 38.597, 158.794 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, 38.597, 158.794

Background



This preview shows how black text looks on a background with the CIELCh color 75, 38.597, 158.794.

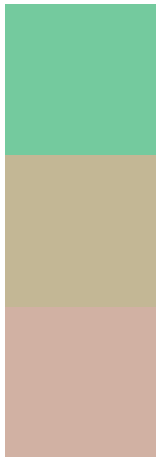


This preview shows how white text looks on a background with the CIELCh color 75, 38.597, 158.794.

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, 38.597, 158.794

Protanopia
75, 18.891, 93.636

Deuteranopia
75, 14.804, 50.667



Tritanopia
75, 22.449, 219.284

Trichromacy



Original Color
75, 38.597, 158.794

Protanomaly
74, 22.450, 132.656

Deuteranomaly
74, 14.129, 126.323

Tritanomaly
75, 24.481, 189.892

Monochromacy



Original Color
75, 38.597, 158.794

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 14.523, 161.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 38.597, 158.794 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(116, 202, 158)` looks like.

```
.text, #text, p{  
    color:rgb(116, 202, 158)  
}
```

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(116, 202, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 202, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 38.597, 158.794 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(116, 202, 158) }
```

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

```
.border{ border-color:rgb(116, 202, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 202, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 202, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 202, 158);  
box-shadow:4px 4px 4px 4px rgb(116, 202,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 38.597, 158.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 202, 158) }
```

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

```
.background{ background-color: rgb(116,  
202, 158) }
```

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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