

Converting Colors

CIELCh(77, 42.599, 148.101)

Have a look what the booklet for
CIELCh(77, 42.599, 148.101)
contains.

CIELCh(77, 42.533, 147.938)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 42.533, 147.938)

Conversions

Conversions Part 1

Format	Color
Hex	83CF93
RGB	131, 207, 147
RGB Percent	51%, 81%, 58%
CMY	0.4864, 0.1884, 0.4237
CMYK	0.37, 0.00, 0.29, 0.19
HSL	133°, 44%, 66%
HSV	133°, 37%, 81%
XYZ	36.9191, 51.5317, 35.5880
YIQ	177.4360, -26.0360, -34.7720

Conversions

Conversions Part 2

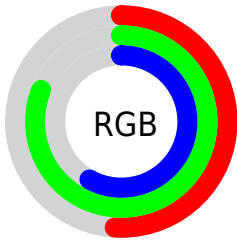
Format	Color
RYB	131, 194, 207
Decimal	8638355
CIELab	77.00, -36.05, 22.58
CIELCh	77, 42.533, 147.938
Yxy	51.5317, 0.2976, 0.4154
Android (android.graphics.Color)	4286828435 (0xFF83CF93)
YUV	177.4360, -15.0049, -40.7244
Hunter-Lab	71.7856, -33.8228, 20.8567

Details

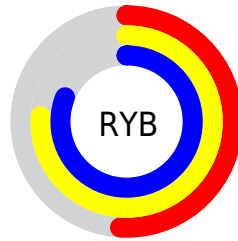
The CIELCh color $77, 42.533, 147.938$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $64, 42.712, 333.316$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 37.080, 149.090$, and $57, 42.539, 148.091$ is the 20% darker color. If you saturate the color by 10%, you get $76, 53.601, 146.810$, and if you desaturate by 10%, it is $78, 31.073, 148.915$.

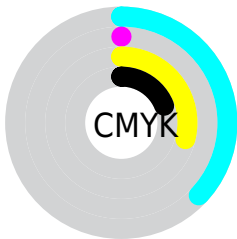
Distribution



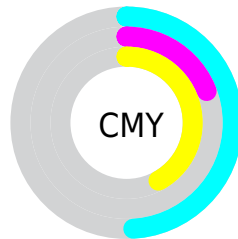
- Red (51%)
- Green (81%)
- Blue (58%)



- Red (51%)
- Yellow (76%)
- Blue (81%)



- Cyan (37%)
- Magenta (0%)
- Yellow (29%)
- Black (19%)



- Cyan (49%)
- Magenta (19%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 42.533, 147.938 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 77, 42.533, 147.938 by changing the saturation by 10% instead.

 77, 42.533,
147.938

 77, 42.533,
147.938


 100, 42.533,
147.938

 67, 42.533,
147.938

 97, 42.533,
147.938

 57, 42.533,
147.938

 47, 42.533,
147.938

 37, 42.533,
147.938

 27, 42.533,
147.938

 17, 42.533,
147.938

 7, 42.533, 147.938

■ 0, 42.533, 147.938

■ 77, 42.533,
147.938

■ 77, 42.533,
147.938

■ 76, 53.601,
146.810

■ 78, 31.073,
148.915

■ 75, 64.031,
145.520

■ 80, 19.426,
149.761

■ 74, 73.571,
144.066

■ 82, 7.768, 150.510

■ 73, 81.971,
142.471

■ 84, 3.770, 331.010

■ 73, 89.008,
140.793

■ 86, 15.088,
331.619

■ 73, 94.516,
139.135

■ 88, 26.092,
332.019

■ 88, 30.121,

■ 73, 96.029,
138.661

325.473

Harmonies

Complementary

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



77, 42.533, 147.938



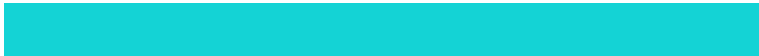
64, 42.712, 333.316

Rectangle

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



77, 42.533, 147.938



77, 42.533, 197.938



77, 42.533, 327.938



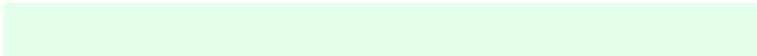
77, 42.533, 17.938

Sweetspot

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



77, 42.534, 147.938



98, 15.101, 150.187



80, 39.971, 115.491



52, 10.154, 150.085



0, 0.000, 0.000



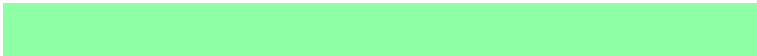
53, 0.007, 296.813

Same Dimension

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



77, 42.534, 147.938



92, 59.952, 147.071



78, 28.926, 172.235



43, 6.624, 150.313



60, 81.844, 138.914



13, 27.410, 145.761

Inverse Universe

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



64, 42.712, 333.316



74, 60.056, 333.878



63, 32.277, 0.269



41, 6.646, 331.460



38, 72.009, 338.716



5, 26.440, 336.164

Previews

White Background



This preview shows how the CIELCh color 77, 42.533, 147.938 looks on a white background.

Color Contrast Check

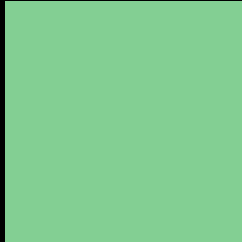
Large Text (above 18pt) WCAG AA × Fail

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 77, 42.533, 147.938 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 77, 42.533, 147.938

Background



This preview shows how black text looks on a background with the CIELCh color 77, 42.533, 147.938.

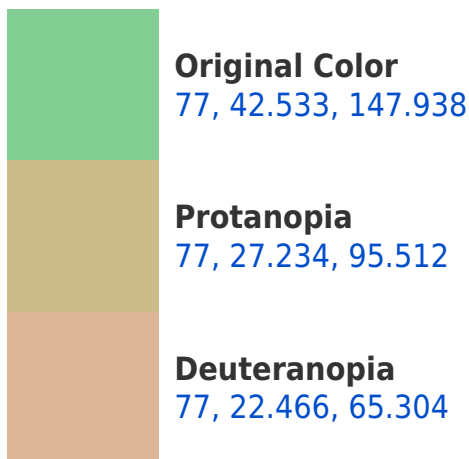


This preview shows how white text looks on a background with the CIELCh color 77, 42.533, 147.938.

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
77, 19.002, 225.374

Trichromacy



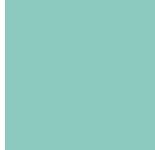
Original Color
77, 42.533, 147.938



Protanomaly
77, 29.599, 122.262



Deuteranomaly
76, 21.876, 111.236

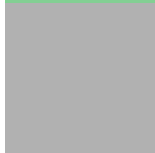


Tritanomaly
77, 21.886, 182.019

Monochromacy



Original Color
77, 42.533, 147.938



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 15.947, 150.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 42.533, 147.938 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(131, 207, 147)` looks like.

```
.text, #text, p{  
    color:rgb(131, 207, 147)  
}
```

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(131, 207, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 207, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 42.533, 147.938 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(131, 207, 147) }
```

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

```
.border{ border-color:rgb(131, 207, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 207, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 207, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 207, 147);  
box-shadow:4px 4px 4px 4px rgb(131, 207,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 42.533, 147.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 207, 147) }
```

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

```
.background{ background-color: rgb(131,  
207, 147) }
```

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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