

Converting Colors

CIELCh(82, 73.838, 154.761)

Have a look what the booklet for
CIELCh(82, 73.838, 154.761)
contains.

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Color

CIELCh(82, 73.793, 154.784)

Conversions

Conversions Part 1

Format	Color
Hex	10E98E
RGB	16, 233, 142
RGB Percent	6%, 91%, 56%
CMY	0.9383, 0.0865, 0.4434
CMYK	0.93, 0.00, 0.39, 0.09
HSL	155°, 87%, 49%
HSV	155°, 93%, 91%
XYZ	34.2063, 60.2982, 35.4028
YIQ	157.7430, -100.1210, -74.3050

Conversions

Conversions Part 2

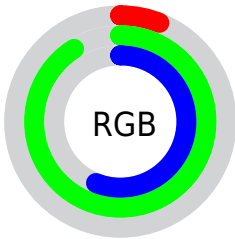
Format	Color
RYB	16, 153, 233
Decimal	1108366
CIELab	82.00, -66.76, 31.44
CIElCh	82, 73.793, 154.784
Yxy	60.2982, 0.2633, 0.4642
Android (android.graphics.Color)	4279298446 (0xFF10E98E)
YUV	157.7430, -7.7613, -124.3086
Hunter-Lab	77.6519, -57.2600, 27.3251

Details

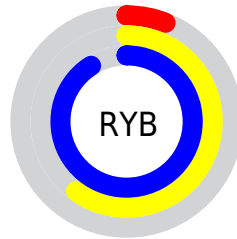
The CIELCh color **82, 73.793, 154.784** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **50, 77.667, 7.351**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 54.731, 162.230**, and **63, 66.121, 150.105** is the 20% darker color. If you saturate the color by 10%, you get **82, 76.677, 153.239**, and if you desaturate by 10%, it is **82, 68.952, 156.983**.

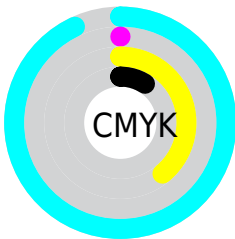
Distribution



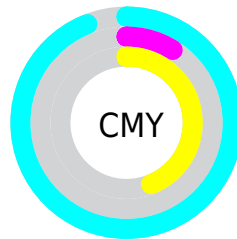
- Red (6%)
- Green (91%)
- Blue (56%)



- Red (6%)
- Yellow (60%)
- Blue (91%)



- Cyan (93%)
- Magenta (0%)
- Yellow (39%)
- Black (9%)




- Cyan (94%)
- Magenta (9%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 73.793, 154.784 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 82, 73.793, 154.784 by changing the saturation by 10% instead.


 82, 73.793,
154.784


 82, 73.793,
154.784


 100, 73.793,
154.784


 72, 73.793,
154.784

 62, 73.793,
154.784

 52, 73.793,
154.784

 42, 73.793,
154.784

 32, 73.793,
154.784

 22, 73.793,
154.784

 12, 73.793,

154.784

■ 2, 73.793, 154.784

■ 0, 73.793, 154.784

■ 82, 73.793,
154.784

■ 82, 73.793,
154.784

■ 82, 76.677,
153.239

■ 82, 68.952,
156.983

■ 83, 63.203,
158.974

■ 84, 56.522,
160.749

■ 84, 48.970,
162.324

■ 85, 40.671,

163.720

■ 87, 31.778,
164.965

■ 88, 22.460,
166.083

■ 90, 12.873,
167.104

■ 92, 3.157, 168.136

Harmonies

Complementary

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



82, 73.793, 154.784



50, 77.667, 7.351

Rectangle

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



82, 73.793, 154.784



82, 73.793, 204.784



82, 73.793, 334.784



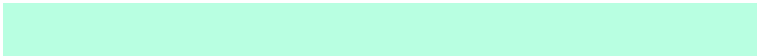
82, 73.793, 24.784

Sweetspot

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



82, 73.793, 154.784



95, 28.976, 165.550



83, 101.832, 129.589



50, 19.903, 165.055



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 73.793, 154.784



89, 82.305, 153.115



80, 42.748, 207.181



48, 5.557, 167.475



65, 63.003, 153.647



19, 25.105, 157.607

Inverse Universe

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



50, 77.667, 7.351



54, 84.706, 10.950



50, 92.778, 39.464



46, 5.656, 349.066



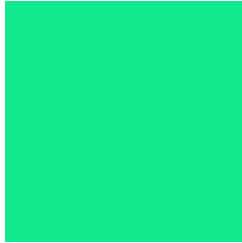
38, 65.395, 9.749



8, 28.038, 1.475

Previews

White Background



This preview shows how the CIELCh color 82, 73.793, 154.784 looks on a white background.

Color Contrast Check

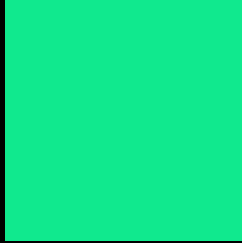
Large Text (above 18pt) WCAG AA × Fail

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 82, 73.793, 154.784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

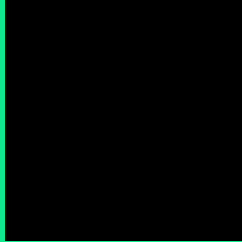
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 73.793, 154.784

Background



This preview shows how black text looks on a background with the CIELCh color 82, 73.793, 154.784.

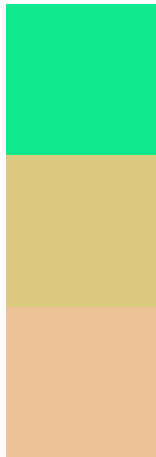


This preview shows how white text looks on a background with the CIELCh color 82, 73.793, 154.784.

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
82, 73.793, 154.784

Protanopia
81, 38.869, 95.640

Deuteranopia
81, 29.277, 70.242



Tritanopia
82, 36.904, 212.277

Trichromacy



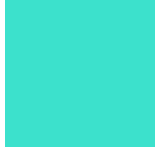
Original Color
82, 73.793, 154.784



Protanomaly
79, 48.621, 138.049



Deuteranomaly
79, 37.230, 138.678

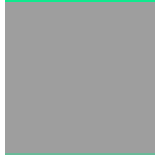


Tritanomaly
81, 46.081, 182.170

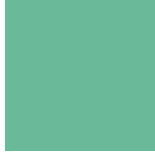
Monochromacy



Original Color
82, 73.793, 154.784



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 33.340, 163.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 73.793, 154.784 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(16, 233, 142)` looks like.

```
.text, #text, p{  
    color:rgb(16, 233, 142)  
}
```

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(16, 233, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 233, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 73.793, 154.784 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(16, 233, 142) }
```

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

```
.border{ border-color:rgb(16, 233, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 233, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(16, 233, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(16, 233, 142); box-shadow:4px 4px 4px 4px rgb(16, 233, 142) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 73.793, 154.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 233, 142) }
```

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

```
.background{ background-color: rgb(16, 233,  
142) }
```

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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