

Converting Colors

CIELCh(87, 76.614, 154.531)

Have a look what the booklet for
CIELCh(87, 76.614, 154.531)
contains.

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Color

CIELCh(87, 76.463, 154.546)

Conversions

Conversions Part 1

Format	Color
Hex	23F898
RGB	35, 248, 152
RGB Percent	14%, 97%, 60%
CMY	0.8628, 0.0259, 0.4025
CMYK	0.86, 0.00, 0.39, 0.03
HSL	153°, 94%, 56%
HSV	153°, 86%, 97%
XYZ	40.0738, 70.0064, 41.2560
YIQ	173.3690, -96.1320, -75.0120

Conversions

Conversions Part 2

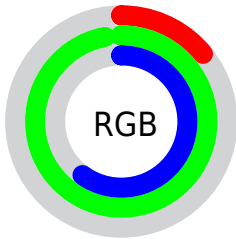
Format	Color
RYB	35, 172, 248
Decimal	2357400
CIELab	87.00, -69.04, 32.86
CIELCh	87, 76.463, 154.546
Yxy	70.0064, 0.2648, 0.4626
Android (android.graphics.Color)	4280547480 (0xFF23F898)
YUV	173.3690, -10.5349, -121.3496
Hunter-Lab	83.6698, -60.9293, 29.3341

Details

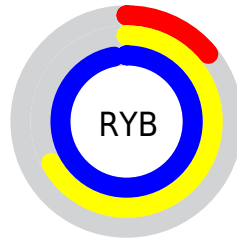
The CIELCh color **87, 76.463, 154.546** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **55, 79.732, 1.559**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 49.345, 166.145**, and **68, 69.497, 150.457** is the 20% darker color. If you saturate the color by 10%, you get **87, 81.596, 152.277**, and if you desaturate by 10%, it is **87, 70.386, 156.616**.

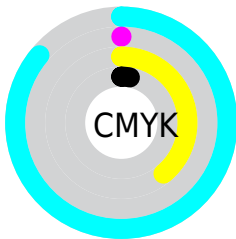
Distribution



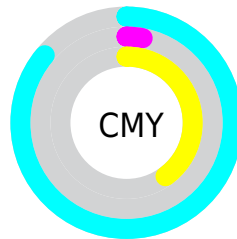
- Red (14%)
- Green (97%)
- Blue (60%)



- Red (14%)
- Yellow (67%)
- Blue (97%)



- Cyan (86%)
- Magenta (0%)
- Yellow (39%)
- Black (3%)





- Cyan (86%)
- Magenta (3%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 76.463, 154.546 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 87, 76.463, 154.546 by changing the saturation by 10% instead.


 87, 76.463,
154.546


 87, 76.463,
154.546

 100, 76.463,
154.546

 77, 76.463,
154.546

 67, 76.463,
154.546

 57, 76.463,
154.546

 47, 76.463,
154.546

 37, 76.463,
154.546

 27, 76.463,
154.546


 17, 76.463,


154.546


 7, 76.463, 154.546


 0, 76.463, 154.546

 87, 76.463,
154.546


 87, 76.463,
154.546


 87, 81.596,
152.277

 87, 70.386,
156.616

 87, 83.515,
151.340


 88, 63.312,
158.469


 89, 55.290,
160.110

 90, 46.443,
161.561

 91, 36.933,

162.847

 93, 26.942,
163.994

 95, 16.643,
165.029

 96, 6.193, 166.006

 98, 3.309, 334.736

Harmonies

Complementary

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



87, 76.463, 154.546



55, 79.732, 1.559

Rectangle

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



87, 76.463, 154.546



87, 76.463, 204.546



87, 76.463, 334.546



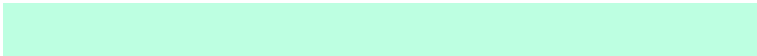
87, 76.463, 24.546

Sweetspot

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



87, 76.463, 154.546



95, 27.607, 163.981



88, 102.184, 127.971



50, 18.654, 163.596



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 76.463, 154.546



89, 85.254, 151.305



87, 46.020, 201.256



51, 5.980, 165.654



67, 67.372, 151.763



22, 28.578, 155.162

Inverse Universe

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



55, 79.732, 1.559



55, 84.446, 7.866



54, 92.331, 37.073



49, 6.076, 347.224



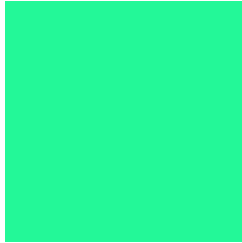
40, 67.322, 6.886



10, 30.683, 0.244

Previews

White Background



This preview shows how the CIELCh color 87, 76.463, 154.546 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 87, 76.463, 154.546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

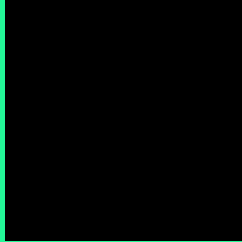
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 76.463, 154.546

Background



This preview shows how black text looks on a background with the CIELCh color 87, 76.463, 154.546.

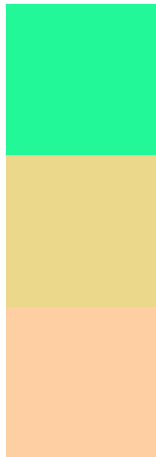


This preview shows how white text looks on a background with the CIELCh color 87, 76.463, 154.546.

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

87, 76.407, 154.515

Protanopia

86, 40.497, 95.676

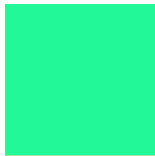
Deuteranopia

86, 30.505, 69.739



Tritanopia
87, 38.062, 212.483

Trichromacy



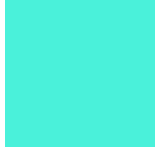
Original Color
87, 76.407, 154.515



Protanomaly
85, 50.062, 136.384



Deuteranomaly
84, 38.022, 135.859



Tritanomaly
87, 47.555, 181.552

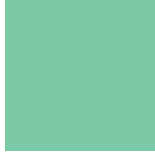
Monochromacy



Original Color
87, 76.407, 154.515



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 33.452, 162.624

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 76.463, 154.546 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(35, 248, 152)` looks like.

```
.text, #text, p{  
    color:rgb(35, 248, 152)  
}
```

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(35, 248, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 248, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 76.463, 154.546 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(35, 248, 152) }
```

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

```
.border{ border-color:rgb(35, 248, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 248, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 248, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 248, 152);  
box-shadow:4px 4px 4px 4px rgb(35, 248,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 76.463, 154.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 248, 152) }
```

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

```
.background{ background-color: rgb(35, 248,  
152) }
```

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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