

Converting Colors

CIELCh(87, 98.247, 142.713)

Have a look what the booklet for
CIELCh(87, 98.247, 142.713)
contains.

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Color

CIELCh(87, 98.410, 142.672)

Conversions

Conversions Part 1

Format	Color
Hex	24FB5F
RGB	36, 251, 95
RGB Percent	14%, 98%, 37%
CMY	0.8579, 0.0169, 0.6285
CMYK	0.86, 0.00, 0.62, 0.02
HSL	136°, 96%, 56%
HSV	136°, 86%, 98%
XYZ	37.1917, 70.0064, 22.3127
YIQ	168.9310, -78.0640, -94.0960

Conversions

Conversions Part 2

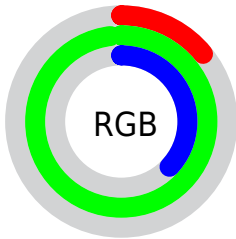
Format	Color
RYB	36, 205, 251
Decimal	2423647
CIELab	87.00, -78.25, 59.67
CIELCh	87, 98.410, 142.672
Yxy	70.0064, 0.2872, 0.5405
Android (android.graphics.Color)	4280613727 (0xFF24FB5F)
YUV	168.9310, -36.4480, -116.5805
Hunter-Lab	83.6698, -67.0779, 42.7577

Details

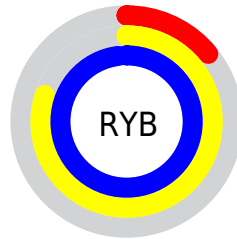
The CIELCh color **87, 98.410, 142.672** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **58, 90.970, 340.927**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 69.904, 145.756**, and **68, 91.837, 138.342** is the 20% darker color. If you saturate the color by 10%, you get **87, 105.060, 140.774**, and if you desaturate by 10%, it is **87, 90.250, 144.508**.

Distribution



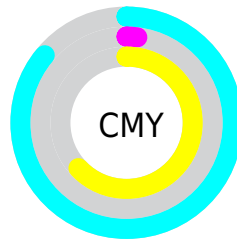
- Red (14%)
- Green (98%)
- Blue (37%)



- Red (14%)
- Yellow (80%)
- Blue (98%)



- Cyan (86%)
- Magenta (0%)
- Yellow (62%)
- Black (2%)





- Cyan (86%)
- Magenta (2%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 98.410, 142.672 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, 98.410, 142.672 by changing the saturation by 10% instead.

 87, 98.410,
142.672

 87, 98.410,
142.672

 100, 98.410,
142.672

 77, 98.410,
142.672

 67, 98.410,
142.672

 57, 98.410,
142.672

 47, 98.410,
142.672

 37, 98.410,
142.672

 27, 98.410,
142.672

 17, 98.410,


142.672


 7, 98.410, 142.672


 0, 98.410, 142.672


 87, 98.410,
142.672

 87, 98.410,
142.672


 87, 105.060,
140.774

 87, 90.250,
144.508

 87, 107.577,
139.974


 88, 80.703,
146.203


 89, 69.968,
147.722

 90, 58.287,
149.057

 92, 45.924,

150.218

 93, 33.135,
151.223

 95, 20.146,
152.098

 97, 7.147, 152.886

 99, 2.677, 324.420

Harmonies

Complementary

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



87, 98.410, 142.672



58, 90.970, 340.927

Rectangle

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



87, 98.410, 142.672



87, 98.410, 192.672



87, 98.410, 322.672



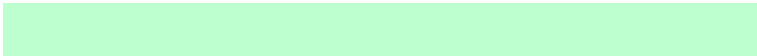
87, 98.410, 12.672

Sweetspot

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



87, 98.410, 142.672



95, 34.191, 151.179



92, 95.064, 117.261



50, 23.157, 150.844



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, 98.410, 142.672



88, 109.017, 139.956



89, 60.370, 170.031



51, 7.329, 152.579



67, 86.200, 140.319



22, 36.463, 143.261

Inverse Universe

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



58, 90.970, 340.927



57, 93.636, 343.301



54, 82.226, 20.205



49, 7.362, 333.811



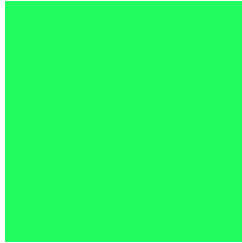
42, 74.918, 342.948



10, 34.713, 340.608

Previews

White Background



This preview shows how the CIELCh color 87, 98.410, 142.672 looks on a white background.

Color Contrast Check

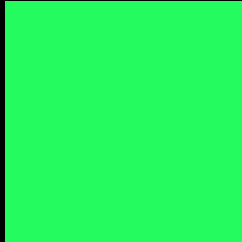
Large Text (above 18pt) WCAG AA × Fail

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, 98.410, 142.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

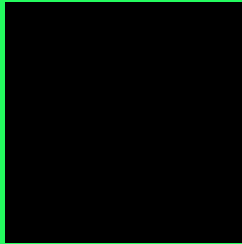
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 98.410, 142.672

Background



This preview shows how black text looks on a background with the CIELCh color 87, 98.410, 142.672.

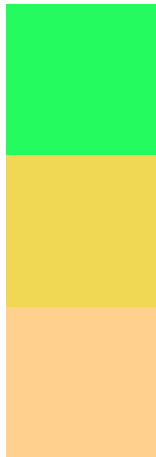


This preview shows how white text looks on a background with the CIELCh color 87, 98.410, 142.672.

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, 98.464, 142.705

Protanopia
86, 65.660, 95.573

Deuteranopia
86, 39.814, 77.979



Tritanopia
87, 36.393, 213.303

Trichromacy



Original Color
87, 98.464, 142.705



Protanomaly
84, 73.195, 124.587



Deuteranomaly
84, 54.072, 126.816



Tritanomaly
86, 52.951, 169.513

Monochromacy



Original Color
87, 98.464, 142.705



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 41.998, 149.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 98.410, 142.672 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(36, 251, 95)` looks like.

```
.text, #text, p{  
    color:rgb(36, 251, 95)  
}
```

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(36, 251, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 251, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 98.410, 142.672 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(36, 251, 95) }
```

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

```
.border{ border-color:rgb(36, 251, 95) }
```

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

Here you see how a box with a 4 pixel rgb(36, 251, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 251, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 251, 95);  
box-shadow:4px 4px 4px 4px rgb(36, 251,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 98.410, 142.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 251, 95) }
```

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

```
.background{ background-color: rgb(36, 251,  
95) }
```

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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