Converting Colors

CIELCh(87, 40.310, 147.384)

Have a look what the booklet for CIELCh(87, 40.310, 147.384) contains.

Color

CIELCh(87, 40.152, 147.179)

Conversions

Conversions Part 1

Format	Color
Hex	A3EAAF
RGB	163, 234, 175
RGB Percent	64%, 92%, 69%
CMY	0.3593, 0.0808, 0.3123
CMYK	0.30, 0.00, 0.25, 0.08
HSL	130°, 63%, 78%
HSV	130°, 30%, 92%
XYZ	52.4915, 70.0064, 51.4951
YIQ	206.0450, -23.3770, -33.4010

Conversions

Conversions Part 2

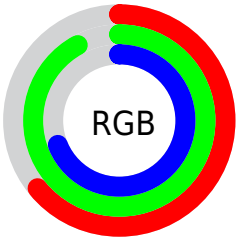
Format	Color
RYB	163, 224, 234
Decimal	10742447
CIELab	87.00, -33.74, 21.76
CIELCh	87, 40.152, 147.179
Yxy	70.0064, 0.3017, 0.4024
Android (android.graphics.Color)	4288932527 (0xFFA3EAAF)
YUV	206.0450, -15.3052, -37.7505
Hunter-Lab	83.6698, -34.4377, 22.0785

Details

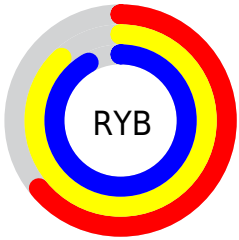
The CIELCh color 87, 40.152, 147.179 is a light color, and the websafe version is hex 99FFCC. A complement of this color would be 76, 40.272, 331.358, and the grayscale version is 83, 0.010, 296.813.

A 20% lighter version of the original color is 97, 17.723, 154.624, and 67, 40.325, 147.027 is the 20% darker color. If you saturate the color by 10%, you get 86, 53.089, 146.158, and if you desaturate by 10%, it is 89, 26.917, 148.060.

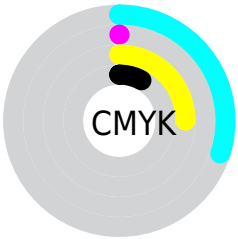
Distribution



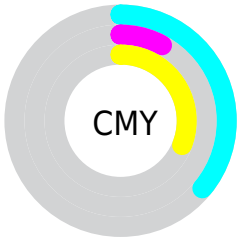
- Red (64%)
- Green (92%)
- Blue (69%)



- Red (64%)
- Yellow (88%)
- Blue (92%)



- Cyan (30%)
- Magenta (0%)
- Yellow (25%)
- Black (8%)



- Cyan (36%)
- Magenta (8%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 40.152, 147.179 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, 40.152, 147.179 by changing the saturation by 10% instead.

87, 40.152, 147.179

100, 40.152, 147.179

87, 40.152, 147.179

77, 40.152, 147.179

67, 40.152, 147.179

57, 40.152, 147.179

47, 40.152, 147.179

37, 40.152, 147.179

27, 40.152, 147.179

17, 40.152,

147.179

7, 40.152, 147.179

0, 40.152, 147.179

87, 40.152, 147.179

87, 40.152, 147.179

86, 53.089, 146.158

89, 26.917, 148.060

84, 65.453, 144.983

91, 13.602, 148.825

83, 76.941, 143.651

93, 0.382, 150.333

83, 87.229, 142.180

95, 12.153, 327.187

82, 95.997,

95, 12.859, 324.864

140.621

82, 102.953, 139.066

81, 107.829, 137.727

Harmonies

Complementary

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

87, 40.152, 147.179

76, 40.272, 331.358

Rectangle

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

87, 40.152, 147.179

87, 40.152, 197.179

87, 40.152, 327.179

87, 40.152, 17.179

Sweetspot

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

87, 40.154, 147.179

98, 12.717, 148.916

90, 36.529, 114.494

52, 8.845, 148.811

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, 40.154, 147.179

93, 50.941, 146.598

88, 27.381, 170.674

48, 7.505, 148.885

64, 88.348, 137.972

18, 35.065, 141.421

Inverse Universe

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

76, 40.272, 331.358

78, 51.046, 331.745

74, 29.645, 357.017

46, 7.525, 330.014

41, 78.350, 336.306

9, 34.191, 334.936

Previews

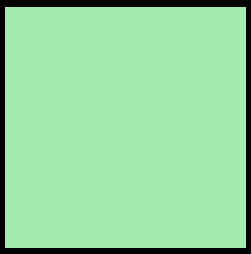
White Background

This preview shows how the CIELCh color 87, 40.152, 147.179 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



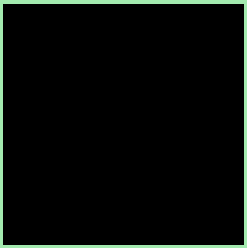
This preview shows how the CIELCh color 87, 40.152, 147.179 looks on a black background.

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, 40.152, 147.179 Background



This preview shows how black text looks on a background with the CIELCh color 87, 40.152, 147.179.

This preview shows how white text looks on a background with the CIELCh color 87, 40.152, 147.179.

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, 40.152, 147.179

Protanopia
87, 26.648, 95.120

Deuteranopia
87, 22.178, 61.053

Tritanopia
87, 18.176, 229.944

Trichromacy

Original Color
87, 40.152, 147.179

Protanomaly
86, 28.141, 120.497

Deuteranomaly
86, 20.290, 107.362

Tritanomaly
87, 20.173, 182.916

Monochromacy

Original Color
87, 40.152, 147.179

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 14.408, 148.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 40.152, 147.179 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(163, 234, 175) looks like.

```
.text, #text, p{
    color:rgb(163, 234, 175)
}
```

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(163, 234, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 234, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 40.152, 147.179 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(163, 234, 175) }
```

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

```
.border{ border-color:rgb(163, 234, 175) }
```

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

Here you see how a box with a 4 pixel rgb(163, 234, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 234, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 234, 175); box-shadow:4px 4px 4px 4px rgb(163, 234, 175) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 40.152, 147.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(163, 234, 175) }
```

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

```
.background{ background-color:rgb(163,
234, 175) }
```

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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