Converting Colors

CIELCh(87, 73.556, 134.381)

Have a look what the booklet for CIELCh(87, 73.556, 134.381) contains.

Color

CIELCh(87, 73.391, 134.375)

Conversions

Conversions Part 1

Format	Color
Hex	91F171
RGB	145, 241, 113
RGB Percent	57%, 95%, 44%
CMY	0.4320, 0.0555, 0.5574
CMYK	0.40, 0.00, 0.53, 0.06
HSL	105°, 82%, 69%
HSV	105°, 53%, 94%
XYZ	46.0267, 70.0064, 26.6645
YIQ	197.7040, -16.1280, -60.1600

Conversions

Conversions Part 2

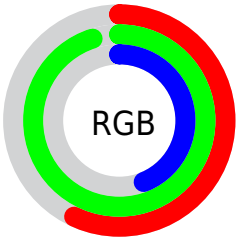
Format	Color
RYB	113, 241, 209
Decimal	9564529
CIELab	87.00, -51.33, 52.46
CIELCh	87, 73.391, 134.375
Yxy	70.0064, 0.3225, 0.4906
Android (android.graphics.Color)	4287754609 (0xFF91F171)
YUV	197.7040, -41.7591, -46.2214
Hunter-Lab	83.6698, -48.2294, 39.6739

Details

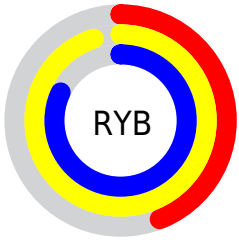
The CIELCh color 87, 73.391, 134.375 is a light color, and the websafe version is hex 99FF66. A complement of this color would be 63, 75.510, 319.485, and the grayscale version is 80, 0.010, 296.813.

A 20% lighter version of the original color is 95, 48.044, 130.816, and 67, 73.254, 134.448 is the 20% darker color. If you saturate the color by 10%, you get 86, 85.400, 133.835, and if you desaturate by 10%, it is 88, 60.335, 134.986.

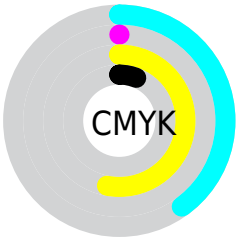
Distribution



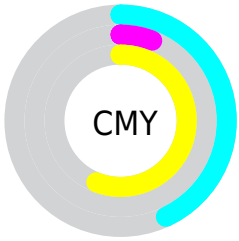
- Red (57%)
- Green (95%)
- Blue (44%)



- Red (44%)
- Yellow (95%)
- Blue (82%)



- Cyan (40%)
- Magenta (0%)
- Yellow (53%)
- Black (6%)



- Cyan (43%)
- Magenta (6%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 73.391, 134.375 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, 73.391, 134.375 by changing the saturation by 10% instead.

87, 73.391, 134.375

100, 73.391, 134.375

87, 73.391, 134.375

77, 73.391, 134.375

67, 73.391, 134.375

57, 73.391, 134.375

47, 73.391, 134.375

37, 73.391, 134.375

27, 73.391, 134.375

17, 73.391,

134.375

7, 73.391, 134.375

0, 73.391, 134.375

87, 73.391, 134.375

87, 73.391, 134.375

86, 85.400, 133.835

88, 60.335, 134.986

85, 95.820, 133.467

89, 46.643, 135.599

85, 104.033, 133.403

91, 32.619, 136.178

84, 109.543, 133.752

93, 18.482, 136.708

84, 111.914,

94, 4.390, 137.214

134.166

96, 8.491, 321.231

97, 8.826, 324.714

Harmonies

Complementary

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

87, 73.391, 134.375

63, 75.510, 319.485

Rectangle

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

87, 73.391, 134.375

87, 73.391, 184.375

87, 73.391, 314.375

87, 73.391, 4.375

Sweetspot

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

87, 73.392, 134.376

97, 23.590, 136.559

85, 51.231, 90.499

51, 15.936, 136.451

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, 73.392, 134.376

90, 90.411, 133.786

86, 66.245, 147.272

49, 7.946, 136.891

66, 91.090, 133.978

20, 37.635, 133.730

Inverse Universe

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

63, 75.510, 319.485

61, 93.172, 319.739

66, 66.180, 336.239

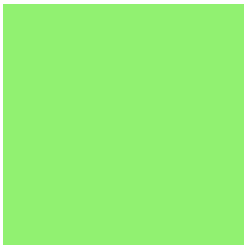
47, 8.000, 317.687

36, 92.739, 318.997

7, 40.082, 320.095

Previews

White Background

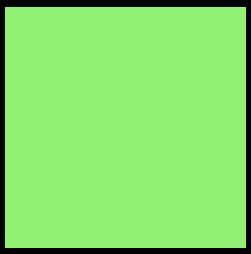


This preview shows how the CIELCh color 87, 73.391, 134.375 looks on a white background.

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, 73.391, 134.375 looks on a black background.

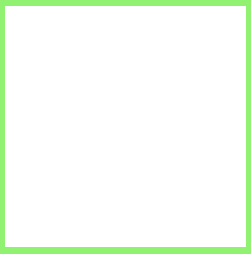
Color Contrast Check

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, 73.391, 134.375 Background

This preview shows how black text looks on a background with the CIELCh color 87, 73.391, 134.375.

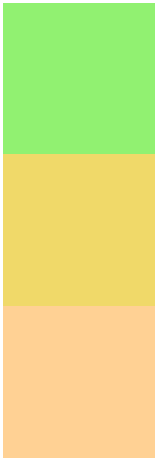


This preview shows how white text looks on a background with the CIELCh color 87, 73.391, 134.375.

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



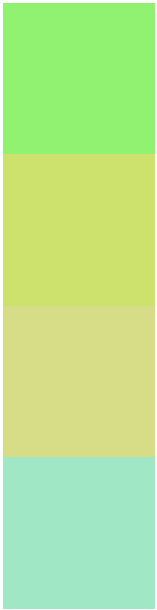
Original Color
87, 73.391, 134.375

Protanopia
87, 57.383, 95.556

Deuteranopia
87, 37.273, 77.002

Tritanopia
87, 20.705, 225.575

Trichromacy



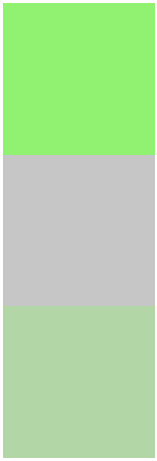
Original Color
87, 73.391, 134.375

Protanomaly
86, 59.583, 113.546

Deuteranomaly
86, 44.057, 109.589

Tritanomaly
87, 31.256, 161.463

Monochromacy



Original Color
87, 73.391, 134.375

Achromatopsia
80, 0.010, 296.813

Achromatomaly
82, 28.076, 136.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 73.391, 134.375 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(145, 241, 113) looks like.

```
.text, #text, p{
    color:rgb(145, 241, 113)
}
```

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(145, 241, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 241, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 73.391, 134.375 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(145, 241, 113) }
```

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

```
.border{ border-color:rgb(145, 241, 113) }
```

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

Here you see how a box with a 4 pixel rgb(145, 241, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 241, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 241, 113); box-shadow:4px 4px 4px 4px rgb(145, 241, 113) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 73.391, 134.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(145, 241, 113) }
```

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

```
.background{ background-color:rgb(145,
241, 113) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor