

Converting Colors

CIELCh(87, 56.374, 152.255)

Have a look what the booklet for
CIELCh(87, 56.374, 152.255)
contains.

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Color

CIELCh(87, 56.174, 152.194)

Conversions

Conversions Part 1

Format	Color
Hex	7BF1A6
RGB	123, 241, 166
RGB Percent	48%, 95%, 65%
CMY	0.5169, 0.0541, 0.3483
CMYK	0.49, 0.00, 0.31, 0.05
HSL	142°, 81%, 71%
HSV	142°, 49%, 95%
XYZ	46.6053, 70.0064, 47.2166
YIQ	197.1680, -46.2530, -48.3410

Conversions

Conversions Part 2

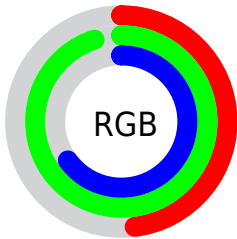
Format	Color
RYB	123, 209, 241
Decimal	8122790
CIELab	87.00, -49.69, 26.20
CIELCh	87, 56.174, 152.194
Yxy	70.0064, 0.2845, 0.4273
Android (android.graphics.Color)	4286312870 (0xFF7BF1A6)
YUV	197.1680, -15.3658, -65.0453
Hunter-Lab	83.6698, -46.9951, 25.1103

Details

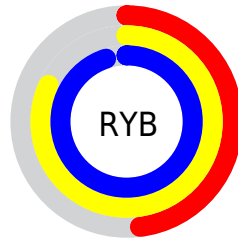
The CIELCh color **87, 56.174, 152.194** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67, 57.224, 341.265**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 30.955, 163.120**, and **67, 56.012, 152.396** is the 20% darker color. If you saturate the color by 10%, you get **86, 66.398, 150.749**, and if you desaturate by 10%, it is **88, 45.259, 153.455**.

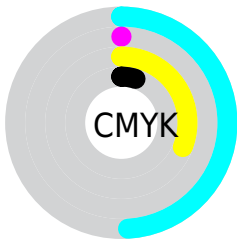
Distribution



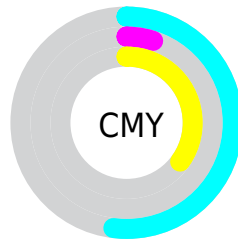
- Red (48%)
- Green (95%)
- Blue (65%)



- Red (48%)
- Yellow (82%)
- Blue (95%)



- Cyan (49%)
- Magenta (0%)
- Yellow (31%)
- Black (5%)





- Cyan (52%)
- Magenta (5%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 56.174, 152.194 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, 56.174, 152.194 by changing the saturation by 10% instead.


 87, 56.174,
152.194

 87, 56.174,
152.194


 100, 56.174,
152.194


 77, 56.174,
152.194

 67, 56.174,
152.194

 57, 56.174,
152.194

 47, 56.174,
152.194

 37, 56.174,
152.194


 27, 56.174,
152.194


 17, 56.174,


152.194


 7, 56.174, 152.194


 0, 56.174, 152.194


 87, 56.174,
152.194


 87, 56.174,
152.194


 86, 66.398,
150.749


 88, 45.259,
153.455


 85, 75.722,
149.104

 90, 33.866,
154.555

 85, 83.984,
147.259

 91, 22.202,
155.519

 84, 91.087,
145.238

 93, 10.444,
156.380

 84, 97.061,

 95, 1.262, 336.754

143.126



97, 8.605, 324.705



84, 97.660,
142.910

Harmonies

Complementary

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



87, 56.174, 152.194



67, 57.224, 341.265

Rectangle

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



87, 56.174, 152.194



87, 56.174, 202.194



87, 56.174, 332.194



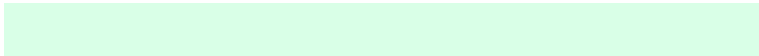
87, 56.174, 22.194

Sweetspot

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



87, 56.175, 152.194



97, 18.402, 155.863



90, 60.976, 121.080



51, 12.559, 155.677



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, 56.175, 152.194



90, 69.514, 150.710



88, 37.644, 182.655



49, 6.618, 156.334



65, 78.890, 143.304



20, 31.835, 146.897

Inverse Universe

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



67, 57.224, 341.265



66, 70.277, 342.485



66, 48.343, 13.862



47, 6.664, 337.665



40, 69.478, 349.879



9, 31.219, 345.896

Previews

White Background



This preview shows how the CIELCh color 87, 56.174, 152.194 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, 56.174, 152.194 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, 56.174, 152.194

Background



This preview shows how black text looks on a background with the CIELCh color 87, 56.174, 152.194.

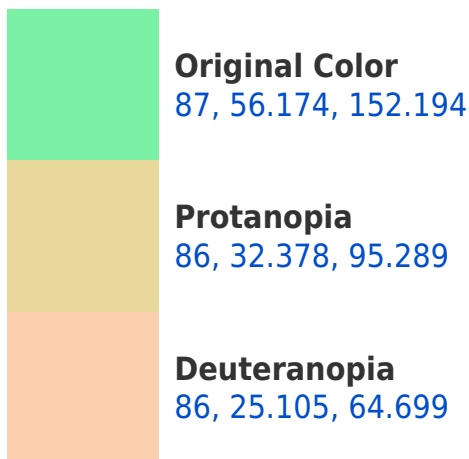


This preview shows how white text looks on a background with the CIELCh color 87, 56.174, 152.194.

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



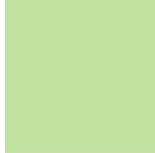


Tritanopia
87, 27.544, 218.007

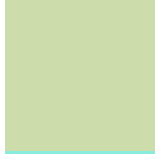
Trichromacy



Original Color
87, 56.174, 152.194



Protanomaly
86, 36.286, 127.158



Deuteranomaly
86, 26.117, 120.754

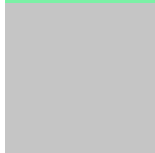


Tritanomaly
87, 32.853, 182.353

Monochromacy



Original Color
87, 56.174, 152.194



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 21.284, 155.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 56.174, 152.194 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(123, 241, 166)` looks like.

```
.text, #text, p{  
    color:rgb(123, 241, 166)  
}
```

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(123, 241, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 241, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 56.174, 152.194 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(123, 241, 166) }
```

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

```
.border{ border-color:rgb(123, 241, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 241, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 241, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 241, 166);  
box-shadow:4px 4px 4px 4px rgb(123, 241,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 56.174, 152.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 241, 166) }
```

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

```
.background{ background-color: rgb(123,  
241, 166) }
```

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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