

Converting Colors

CIELCh(84, 67.491, 157.457)

Have a look what the booklet for
CIELCh(84, 67.491, 157.457)
contains.

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Color

CIELCh(84, 67.370, 157.445)

Conversions

Conversions Part 1

Format	Color
Hex	37ED9E
RGB	55, 237, 158
RGB Percent	22%, 93%, 62%
CMY	0.7858, 0.0691, 0.3790
CMYK	0.77, 0.00, 0.33, 0.07
HSL	154°, 84%, 57%
HSV	154°, 77%, 93%
XYZ	38.1472, 64.0658, 42.8577
YIQ	173.5760, -83.1130, -63.1530

Conversions

Conversions Part 2

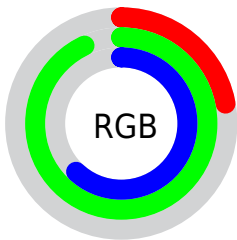
Format	Color
RYB	55, 171, 237
Decimal	3665310
CIELab	84.00, -62.22, 25.84
CIELCh	84, 67.370, 157.445
Yxy	64.0658, 0.2630, 0.4416
Android (android.graphics.Color)	4281855390 (0xFF37ED9E)
YUV	173.5760, -7.6790, -103.9912
Hunter-Lab	80.0411, -54.9996, 24.2821

Details

The CIELCh color **84, 67.370, 157.445** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle washed spring green. A complement of this color would be **55, 72.793, 359.810**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 46.027, 168.365**, and **65, 62.160, 154.132** is the 20% darker color. If you saturate the color by 10%, you get **84, 72.978, 155.365**, and if you desaturate by 10%, it is **85, 60.811, 159.308**.

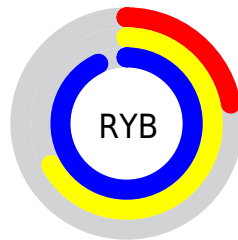
Distribution



Red (22%)

Green (93%)

Blue (62%)



Red (22%)

Yellow (67%)

Blue (93%)

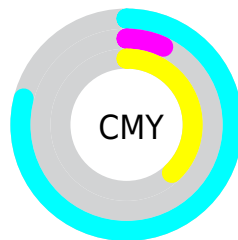


Cyan (77%)

Magenta (0%)

Yellow (33%)

Black (7%)



Cyan (79%)

Magenta (7%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 67.370, 157.445 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 84, 67.370, 157.445 by changing the saturation by 10% instead.

 84, 67.370,
157.445

 84, 67.370,
157.445

 100, 67.370,
157.445

 74, 67.370,
157.445

 64, 67.370,
157.445

 54, 67.370,
157.445

 44, 67.370,
157.445

 34, 67.370,
157.445

 24, 67.370,
157.445

 14, 67.370,

157.445

■ 4, 67.370, 157.445

■ 0, 67.370, 157.445

■ 84, 67.370,
157.445

■ 84, 67.370,
157.445

■ 84, 72.978,
155.365

■ 85, 60.811,
159.308

■ 83, 77.700,
153.092

■ 85, 53.333,
160.962


■ 83, 79.026,
152.411

■ 86, 45.046,
162.426

■ 88, 36.099,
163.725

■ 89, 26.662,

164.887

 91, 16.902,
165.937

 93, 6.971, 166.920

 94, 3.004, 347.548

 96, 9.280, 332.464

Harmonies

Complementary

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



84, 67.370, 157.445



55, 72.793, 359.810

Rectangle

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



84, 67.370, 157.445



84, 67.370, 207.445



84, 67.370, 337.445



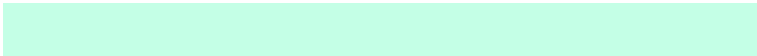
84, 67.370, 27.445

Sweetspot

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



84, 67.371, 157.445



96, 24.156, 165.308



85, 93.241, 128.598



50, 16.668, 164.917



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 67.371, 157.445



89, 79.821, 154.165



82, 41.521, 205.805



49, 5.709, 166.675



66, 64.672, 152.820



20, 26.331, 156.582

Inverse Universe

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



55, 72.793, 359.810



55, 82.989, 5.731



54, 78.733, 35.490



47, 5.806, 348.257



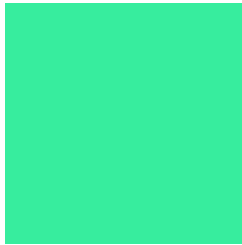
39, 66.004, 8.493



8, 28.965, 0.913

Previews

White Background



This preview shows how the CIE LCh color 84, 67.370, 157.445 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 84, 67.370, 157.445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

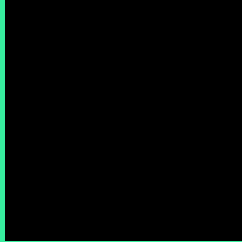
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 67.370, 157.445

Background



This preview shows how black text looks on a background with the CIELCh color 84, 67.370, 157.445.

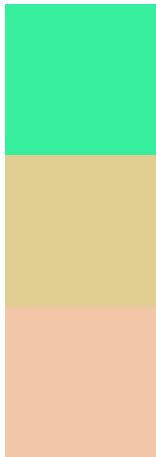


This preview shows how white text looks on a background with the CIELCh color 84, 67.370, 157.445.

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
84, 67.275, 157.390

Protanopia
83, 33.126, 95.257

Deuteranopia
83, 23.976, 64.356



Tritanopia
84, 36.318, 212.517

Trichromacy



Original Color
84, 67.275, 157.390



Protanomaly
82, 41.454, 137.799



Deuteranomaly
81, 29.955, 138.117

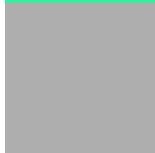


Tritanomaly
84, 43.591, 183.813

Monochromacy



Original Color
84, 67.275, 157.390



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 28.405, 163.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 67.370, 157.445 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(55, 237, 158)` looks like.

```
.text, #text, p{  
    color:rgb(55, 237, 158)  
}
```

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(55, 237, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 237, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 67.370, 157.445 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(55, 237, 158) }
```

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

```
.border{ border-color:rgb(55, 237, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 237, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 237, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 237, 158);  
box-shadow:4px 4px 4px 4px rgb(55, 237,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 67.370, 157.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 237, 158) }
```

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

```
.background{ background-color: rgb(55, 237,  
158) }
```

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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