

Converting Colors

CIELCh(87, 32.793, 115.670)

Have a look what the booklet for
CIELCh(87, 32.793, 115.670)
contains.

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Color

CIELCh(87, 32.819, 115.662)

Conversions

Conversions Part 1

Format	Color
Hex	D4E0A1
RGB	212, 224, 161
RGB Percent	83%, 88%, 63%
CMY	0.1679, 0.1209, 0.3680
CMYK	0.05, 0.00, 0.28, 0.12
HSL	71°, 51%, 76%
HSV	71°, 28%, 88%
XYZ	60.3510, 70.0064, 44.1259
YIQ	213.2300, 13.0710, -22.1370

Conversions

Conversions Part 2

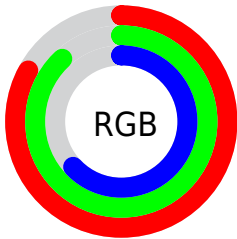
Format	Color
RYB	161, 224, 173
Decimal	13951137
CIELab	87.00, -14.21, 29.58
CIElCh	87, 32.819, 115.662
Yxy	70.0064, 0.3459, 0.4012
Android (android.graphics.Color)	4292141217 (0xFFD4E0A1)
YUV	213.2300, -25.7494, -1.0787
Hunter-Lab	83.6698, -17.6701, 27.3005

Details

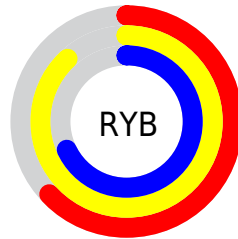
The CIELCh color **87, 32.819, 115.662** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **69, 34.956, 299.984**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 19.713, 108.686**, and **67, 32.818, 115.605** is the 20% darker color. If you saturate the color by 10%, you get **86, 44.141, 114.980**, and if you desaturate by 10%, it is **88, 21.243, 116.370**.

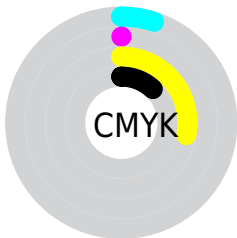
Distribution



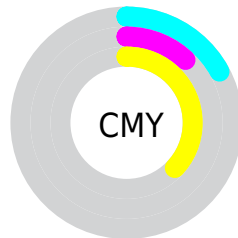
- Red (83%)
- Green (88%)
- Blue (63%)



- Red (63%)
- Yellow (88%)
- Blue (68%)



- Cyan (5%)
- Magenta (0%)
- Yellow (28%)
- Black (12%)





- Cyan (17%)
- Magenta (12%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 32.819, 115.662 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, 32.819, 115.662 by changing the saturation by 10% instead.


 87, 32.819,
115.662

 87, 32.819,
115.662


 100, 32.819,
115.662


 77, 32.819,
115.662

 67, 32.819,
115.662

 57, 32.819,
115.662

 47, 32.819,
115.662

 37, 32.819,
115.662


 27, 32.819,
115.662

 17, 32.819,


115.662


 7, 32.819, 115.662


 0, 32.819, 115.662

 87, 32.819,
115.662


 87, 32.819,
115.662

 86, 44.141,
114.980

 88, 21.243,
116.370


 86, 55.018,
114.347


 89, 9.529, 117.072


 85, 65.172,
113.815

 89, 2.238, 297.752

 85, 74.201,
113.449

 90, 14.002,
298.414

 84, 81.582,

 91, 16.382,
302.660

113.336

91, 16.738,
307.601

84, 86.789,
113.566

91, 17.211,
312.343

84, 89.655,
114.182

92, 17.794,
316.839

84, 90.080,
114.316

92, 18.480,
321.061

Harmonies

Complementary

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



87, 32.819, 115.662



69, 34.956, 299.984

Rectangle

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



87, 32.819, 115.662



87, 32.819, 165.662



87, 32.819, 295.662



87, 32.819, 345.662

Sweetspot

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



87, 32.821, 115.665



99, 10.438, 117.076



75, 21.644, 37.526



53, 7.417, 116.970



0, 0.000, 0.000



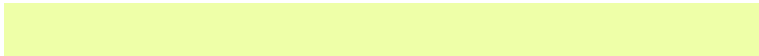
53, 0.007, 296.813

Same Dimension

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



87, 32.821, 115.665



97, 43.877, 115.241



85, 36.625, 133.883



47, 6.678, 116.979



67, 75.114, 114.146



18, 28.384, 114.309

Inverse Universe

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



69, 34.956, 299.984



73, 47.495, 300.631



72, 37.459, 316.409



43, 6.819, 298.315



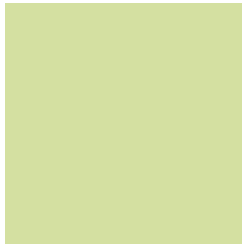
22, 99.862, 307.203



2, 31.987, 300.421

Previews

White Background



This preview shows how the CIELCh color 87, 32.819, 115.662 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 CIE LCh color 87, 32.819, 115.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

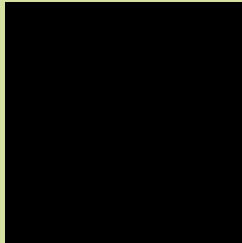
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

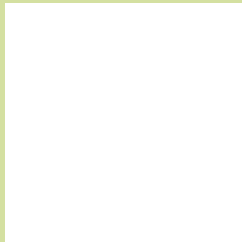
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 32.819, 115.662

Background



This preview shows how black text looks on a background with the CIELCh color 87, 32.819, 115.662.



This preview shows how white text looks on a background with the CIELCh color 87, 32.819, 115.662.

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](#).

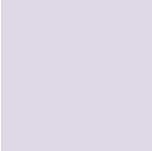
Dichromacy



Original Color
87, 32.819, 115.662

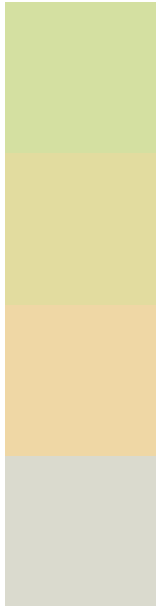
Protanopia
87, 31.351, 95.033

Deuteranopia
87, 28.904, 68.712



Tritanopia
87, 9.280, 306.279

Trichromacy



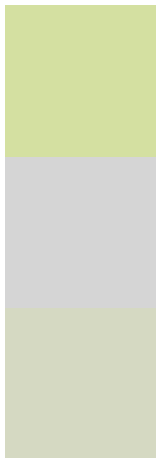
Original Color
87, 32.819, 115.662

Protanomaly
87, 31.612, 103.176

Deuteranomaly
87, 27.762, 87.836

Tritanomaly
87, 6.256, 109.640

Monochromacy



Original Color
87, 32.819, 115.662

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 12.109, 116.235

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 32.819, 115.662 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(212, 224, 161)` looks like.

```
.text, #text, p{  
    color:rgb(212, 224, 161)  
}
```

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(212, 224, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 224, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 32.819, 115.662 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(212, 224, 161) }
```

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

```
.border{ border-color:rgb(212, 224, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 224, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 224, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 224, 161);  
box-shadow:4px 4px 4px 4px rgb(212, 224,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 32.819, 115.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 224, 161) }
```

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

```
.background{ background-color: rgb(212,  
224, 161) }
```

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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