

Converting Colors

CIELCh(89, 12.886, 149.887)

Have a look what the booklet for
CIELCh(89, 12.886, 149.887)
contains.

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Color

CIELCh(89, 13.191, 150.156)

Conversions

Conversions Part 1

Format	Color
Hex	CEE6D3
RGB	206, 230, 211
RGB Percent	81%, 90%, 83%
CMY	0.1935, 0.0994, 0.1739
CMYK	0.10, 0.00, 0.08, 0.10
HSL	133°, 32%, 85%
HSV	133°, 10%, 90%
XYZ	65.2786, 74.1641, 72.2825
YIQ	220.6580, -8.2050, -10.9970

Conversions

Conversions Part 2

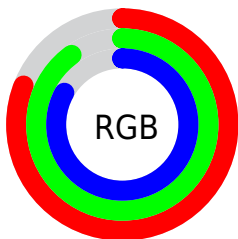
Format	Color
R_{YB}	206, 226, 230
Decimal	13559507
CIE _{Lab}	89.00, -11.44, 6.56
CIE _{LCh}	89, 13.191, 150.156
Yxy	74.1641, 0.3083, 0.3503
Android (android.graphics.Color)	4291749587 (0xFFCEE6D3)
YUV	220.6580, -4.7614, -12.8551
Hunter-Lab	86.1186, -15.4030, 10.5187

Details

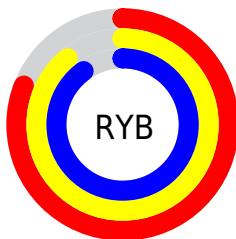
The CIELCh color **89, 13.191, 150.156** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85, 13.237, 331.453**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 12.578, 150.676** is the 20% darker color. If you saturate the color by 10%, you get **87, 25.915, 149.372**, and if you desaturate by 10%, it is **91, 0.554, 151.417**.

Distribution



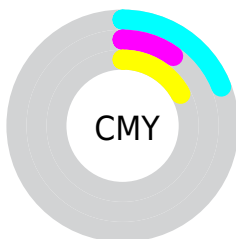
- Red (81%)
- Green (90%)
- Blue (83%)



- Red (81%)
- Yellow (89%)
- Blue (90%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (10%)





- Cyan (19%)
- Magenta (10%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 13.191, 150.156 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 89, 13.191, 150.156 by changing the saturation by 10% instead.


 89, 13.191,
150.156


 89, 13.191,
150.156


 100, 13.191,
150.156


 79, 13.191,
150.156

 69, 13.191,
150.156

 59, 13.191,
150.156

 49, 13.191,
150.156

 39, 13.191,
150.156

 29, 13.191,
150.156

 19, 13.191,

150.156

■ 9, 13.191, 150.156

■ 0, 13.191, 150.156

■ 89, 13.191,
150.156

■ 89, 13.191,
150.156

■ 87, 25.915,
149.372

■ 91, 0.554, 151.417

■ 85, 38.557,
148.473

■ 93, 11.880,
331.340

■ 84, 50.909,
147.434

■ 94, 15.831,
324.972

■ 83, 62.726,
146.235

■ 82, 73.731,

144.870

■ 81, 83.643,
143.347

■ 81, 92.193,
141.702

■ 80, 99.151,
140.012

■ 80, 104.225,
138.506

Harmonies

Complementary

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



89, 13.191, 150.156



85, 13.237, 331.453

Rectangle

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



89, 13.191, 150.156



89, 13.191, 200.156



89, 13.191, 330.156



89, 13.191, 20.156

Sweetspot

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



89, 13.193, 150.155



99, 4.097, 150.723



90, 12.534, 117.285



53, 3.109, 150.652



0, 0.000, 0.000



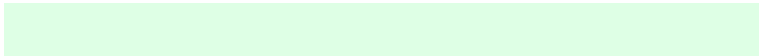
53, 0.007, 296.813

Same Dimension

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



89, 13.193, 150.155



97, 17.894, 149.959



89, 9.298, 175.046



47, 7.163, 150.228



63, 85.744, 138.787



17, 33.018, 142.720

Inverse Universe

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



85, 13.237, 331.453



92, 17.957, 331.628



85, 9.583, 356.911



45, 7.186, 331.387



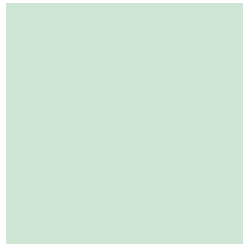
40, 75.285, 338.637



8, 32.347, 336.718

Previews

White Background



This preview shows how the CIELCh color 89, 13.191, 150.156 looks on a white background.

Color Contrast Check

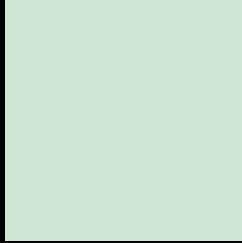
Large Text (above 18pt) WCAG AA × Fail

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 89, 13.191, 150.156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

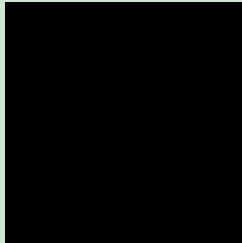
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

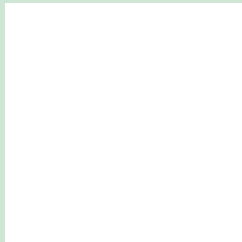
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 13.191, 150.156

Background



This preview shows how black text looks on a background with the CIELCh color 89, 13.191, 150.156.

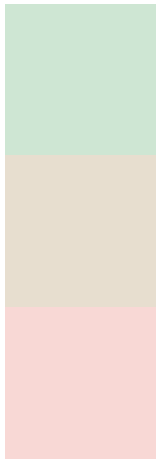


This preview shows how white text looks on a background with the CIELCh color 89, 13.191, 150.156.

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
89, 13.191, 150.156

Protanopia
89, 8.455, 86.297

Deuteranopia
89, 11.982, 27.636



Tritanopia
89, 10.416, 263.734

Trichromacy



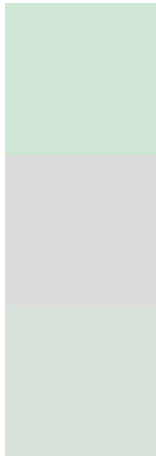
Original Color
89, 13.191, 150.156

Protanomaly
89, 8.894, 116.553

Deuteranomaly
89, 6.411, 66.251

Tritanomaly
89, 6.551, 217.672

Monochromacy



Original Color
89, 13.191, 150.156

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 4.897, 151.131

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 13.191, 150.156 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(206, 230, 211)` looks like.

```
.text, #text, p{  
    color:rgb(206, 230, 211)  
}
```

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(206, 230, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 230, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 13.191, 150.156 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(206, 230, 211) }
```

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

```
.border{ border-color:rgb(206, 230, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 230, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 230, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 230, 211);  
box-shadow:4px 4px 4px 4px rgb(206, 230,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 13.191, 150.156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 230, 211) }
```

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

```
.background{ background-color: rgb(206,  
230, 211) }
```

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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