

Converting Colors

CIELCh(87, 13.055, 260.652)

Have a look what the booklet for
CIELCh(87, 13.055, 260.652)
contains.

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Color

CIELCh(87, 13.172, 260.456)

Conversions

Conversions Part 1

Format	Color
Hex	C8DCF2
RGB	200, 220, 242
RGB Percent	78%, 86%, 95%
CMY	0.2150, 0.1365, 0.0503
CMYK	0.17, 0.09, 0.00, 0.05
HSL	211°, 62%, 87%
HSV	211°, 17%, 95%
XYZ	65.5618, 70.0064, 94.2050
YIQ	216.5280, -18.9820, 2.6020

Conversions

Conversions Part 2

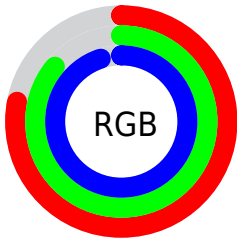
Format	Color
R _{YB}	200, 214, 242
Decimal	13163762
CIE _{Lab}	87.00, -2.18, -12.99
CIE _{LCh}	87, 13.172, 260.456
Y _{xy}	70.0064, 0.2853, 0.3047
Android (android.graphics.Color)	4291353842 (0xFFC8DCF2)
YUV	216.5280, 12.5577, -14.4951
Hunter-Lab	83.6698, -6.5535, -8.1865

Details

The CIELCh color `87, 13.172, 260.456` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `90, 13.688, 75.733`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 13.177, 261.221` is the 20% darker color. If you saturate the color by 10%, you get `82, 20.685, 262.228`, and if you desaturate by 10%, it is `92, 5.596, 258.979`.

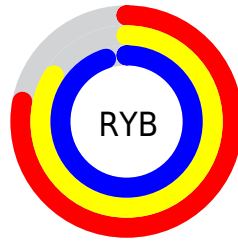
Distribution



Red (78%)

Green (86%)

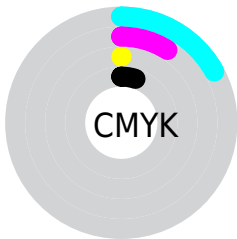
Blue (95%)



Red (78%)

Yellow (84%)

Blue (95%)

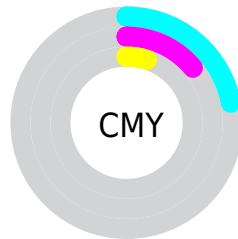


Cyan (17%)

Magenta (9%)

Yellow (0%)

Black (5%)



Cyan (22%)

Magenta (14%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 13.172, 260.456 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, 13.172, 260.456 by changing the saturation by 10% instead.

■ 87, 13.172,
260.456

■ 87, 13.172,
260.456

■ 100, 13.172,
260.456

■ 77, 13.172,
260.456

■ 67, 13.172,
260.456

■ 57, 13.172,
260.456

■ 47, 13.172,
260.456

■ 37, 13.172,
260.456

■ 27, 13.172,
260.456

■ 17, 13.172,

260.456

■ 7, 13.172, 260.456

■ 0, 13.172, 260.456

■ 87, 13.172,
260.456

■ 87, 13.172,
260.456

■ 82, 20.685,
262.228

■ 92, 5.596, 258.979

■ 77, 28.115,
264.350

■ 97, 2.015, 77.425

■ 73, 35.452,
266.869

■ 100, 6.487,
109.681

■ 68, 42.701,
269.839

■ 63, 49.900,

273.292

■ 59, 57.124,
277.211

■ 55, 64.470,
281.506

■ 51, 72.030,
285.978

■ 50, 74.090,
287.113

Harmonies

Complementary

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



87, 13.172, 260.456



90, 13.688, 75.733

Rectangle

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



87, 13.172, 260.456



87, 13.172, 310.456



87, 13.172, 80.456



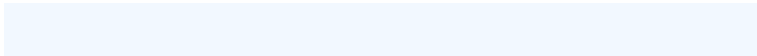
87, 13.172, 130.456

Sweetspot

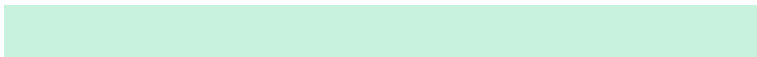
The Sweet Spot groups the original color and five complimentary colors.



87, 13.171, 260.449



97, 3.977, 258.695



92, 18.198, 163.045



52, 2.712, 258.777



0, 0.000, 0.000



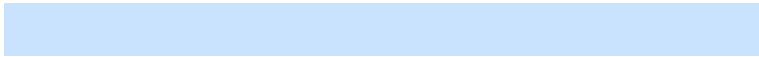
53, 0.007, 296.813

Same Dimension

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



87, 13.171, 260.449



89, 16.606, 261.073



82, 22.306, 292.707



48, 4.290, 259.264



38, 59.127, 286.295



9, 22.293, 278.801

Inverse Universe

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



85, 18.553, 346.483



86, 23.509, 346.862



95, 21.429, 109.193



47, 5.972, 345.719



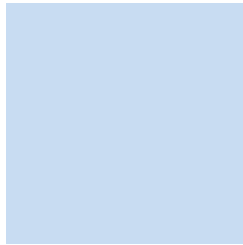
39, 66.029, 4.250



8, 29.242, 357.410

Previews

White Background



This preview shows how the CIE LCh color 87, 13.172, 260.456 looks on a white background.

Color Contrast Check

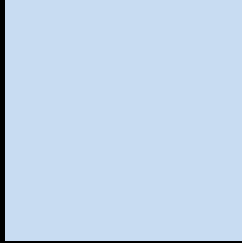
Large Text (above 18pt) WCAG AA × Fail

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, 13.172, 260.456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

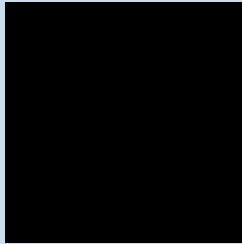
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

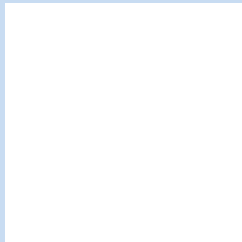
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 13.172, 260.456

Background



This preview shows how black text looks on a background with the CIELCh color 87, 13.172, 260.456.



This preview shows how white text looks on a background with the CIELCh color 87, 13.172, 260.456.

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, 13.172, 260.456

Protanopia

87, 12.576, 289.663

Deuteranopia

87, 17.536, 307.497



Tritanopia
87, 11.445, 250.332

Trichromacy



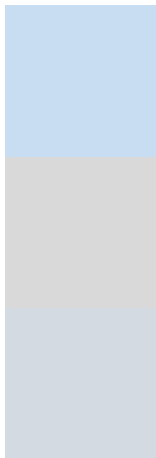
Original Color
87, 13.172, 260.456

Protanomaly
87, 12.287, 278.365

Deuteranomaly
87, 14.708, 294.061

Tritanomaly
87, 12.237, 253.702

Monochromacy



Original Color
87, 13.172, 260.456

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 4.823, 259.880

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 13.172, 260.456 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(200, 220, 242)` looks like.

```
.text, #text, p{  
    color:rgb(200, 220, 242)  
}
```

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(200, 220, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 220, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 13.172, 260.456 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(200, 220, 242) }
```

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

```
.border{ border-color:rgb(200, 220, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 220, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 220, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 220, 242);  
box-shadow:4px 4px 4px 4px rgb(200, 220,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 13.172, 260.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 220, 242) }
```

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

```
.background{ background-color: rgb(200,  
220, 242) }
```

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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