

Converting Colors

CIELCh(87, 20.120, 252.412)

Have a look what the booklet for
CIELCh(87, 20.120, 252.412)
contains.

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Color

CIELCh(87, 20.285, 252.358)

Conversions

Conversions Part 1

Format	Color
Hex	B7DFFE
RGB	183, 223, 254
RGB Percent	72%, 87%, 100%
CMY	0.2823, 0.1254, 0.0039
CMYK	0.28, 0.12, 0.00, 0.00
HSL	206°, 97%, 86%
HSV	206°, 28%, 100%
XYZ	63.8129, 70.0064, 103.9252
YIQ	214.5740, -33.7910, 1.1610

Conversions

Conversions Part 2

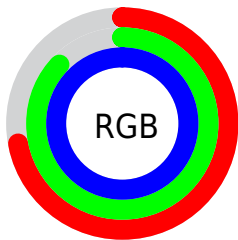
Format	Color
R _Y B	183, 209, 254
Decimal	12050430
CIE Lab	87.00, -6.15, -19.33
CIE LCh	87, 20.285, 252.358
Yxy	70.0064, 0.2684, 0.2945
Android (android.graphics.Color)	4290240510 (0xFFB7DFFE)
YUV	214.5740, 19.4370, -27.6904
Hunter-Lab	83.6698, -10.2846, -15.0745

Details

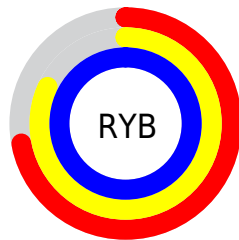
The CIELCh color `87, 20.285, 252.358` is a light color, and the websafe version is hex `99CCFF`. A complement of this color would be `88, 22.619, 65.103`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 5.163, 199.206`, and `67, 20.207, 251.602` is the 20% darker color. If you saturate the color by 10%, you get `83, 27.124, 254.414`, and if you desaturate by 10%, it is `91, 13.198, 250.660`.

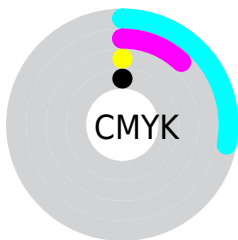
Distribution



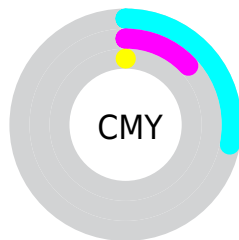
- Red (72%)
- Green (87%)
- Blue (100%)



- Red (72%)
- Yellow (82%)
- Blue (100%)



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



- Cyan (28%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 20.285, 252.358 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, 20.285, 252.358 by changing the saturation by 10% instead.

■ 87, 20.285,
252.358

■ 87, 20.285,
252.358

■ 100, 20.285,
252.358

■ 77, 20.285,
252.358

■ 67, 20.285,
252.358

■ 57, 20.285,
252.358

■ 47, 20.285,
252.358

■ 37, 20.285,
252.358

■ 27, 20.285,
252.358

■ 17, 20.285,

252.358

■ 7, 20.285, 252.358

■ 0, 20.285, 252.358

■ 87, 20.285,
252.358

■ 87, 20.285,
252.358

■ 83, 27.124,
254.414

■ 91, 13.198,
250.660

■ 78, 33.681,
256.908

■ 96, 5.912, 249.291

■ 74, 39.938,
259.905

100, 0.489,
109.983

■ 70, 45.916,
263.462

■ 66, 51.690,

267.589

■ 63, 57.389,
272.218

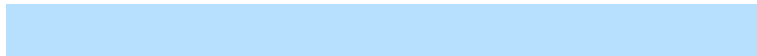
■ 59, 63.187,
277.155

■ 59, 64.415,
278.136

Harmonies

Complementary

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



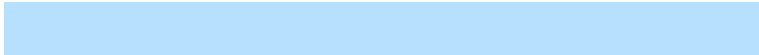
87, 20.285, 252.358



88, 22.619, 65.103

Rectangle

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



87, 20.285, 252.358



87, 20.285, 302.358



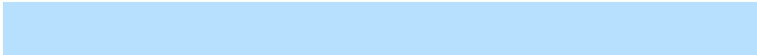
87, 20.285, 72.358



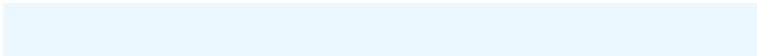
87, 20.285, 122.358

Sweetspot

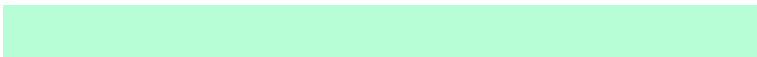
The Sweet Spot groups the original color and five complimentary colors.



87, 20.284, 252.354



96, 5.967, 249.297



94, 32.352, 157.746



51, 4.233, 249.481



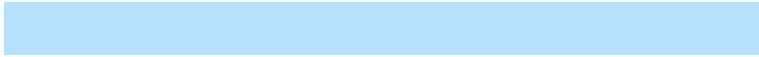
0, 0.000, 0.000



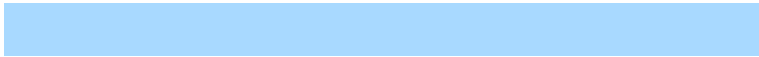
53, 0.007, 296.813

Same Dimension

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



87, 20.284, 252.354



85, 24.531, 253.554



78, 35.528, 290.940



51, 4.233, 249.481



45, 51.240, 277.233



13, 21.187, 270.226

Inverse Universe

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



82, 33.084, 342.793



79, 40.373, 343.419



97, 33.514, 104.461



50, 6.665, 341.099



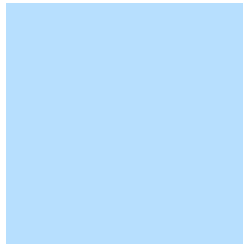
42, 69.350, 356.215



11, 32.606, 351.619

Previews

White Background



This preview shows how the CIE LCh color 87, 20.285, 252.358 looks on a white background.

Color Contrast Check

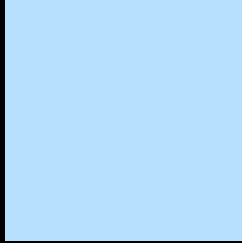
Large Text (above 18pt) WCAG AA × Fail

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, 20.285, 252.358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

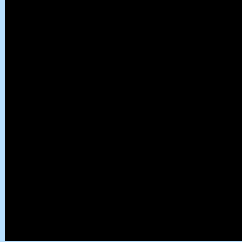
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

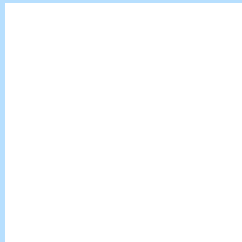
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 20.285, 252.358

Background



This preview shows how black text looks on a background with the CIELCh color 87, 20.285, 252.358.

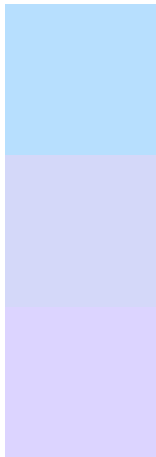


This preview shows how white text looks on a background with the CIELCh color 87, 20.285, 252.358.

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, 20.285, 252.358

Protanopia

87, 17.314, 287.162

Deuteranopia

87, 22.777, 298.775



Tritanopia
87, 16.911, 232.662

Trichromacy



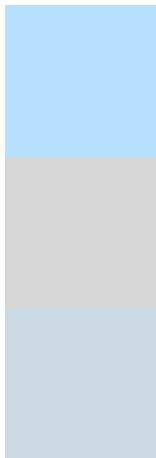
Original Color
87, 20.285, 252.358

Protanomaly
87, 17.612, 271.844

Deuteranomaly
87, 20.578, 283.582

Tritanomaly
87, 17.854, 241.379

Monochromacy



Original Color
87, 20.285, 252.358

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 7.673, 248.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 20.285, 252.358 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(183, 223, 254)` looks like.

```
.text, #text, p{  
    color:rgb(183, 223, 254)  
}
```

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(183, 223, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 223, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 20.285, 252.358 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(183, 223, 254) }
```

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

```
.border{ border-color:rgb(183, 223, 254) }
```

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

Here you see how a box with a 4 pixel rgb(183, 223, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 223, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 223, 254);  
box-shadow:4px 4px 4px 4px rgb(183, 223,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 20.285, 252.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 223, 254) }
```

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

```
.background{ background-color: rgb(183,  
223, 254) }
```

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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