

Converting Colors

CIELCh(83, 26.319, 253.022)

Have a look what the booklet for
CIELCh(83, 26.319, 253.022)
contains.

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Color

CIELCh(83, 26.252, 252.837)

Conversions

Conversions Part 1

Format	Color
Hex	9FD5FD
RGB	159, 213, 253
RGB Percent	62%, 84%, 99%
CMY	0.3758, 0.1640, 0.0072
CMYK	0.37, 0.16, 0.00, 0.01
HSL	206°, 96%, 81%
HSV	206°, 37%, 99%
XYZ	55.9243, 62.1629, 102.1236
YIQ	201.4140, -45.0240, 0.9920

Conversions

Conversions Part 2

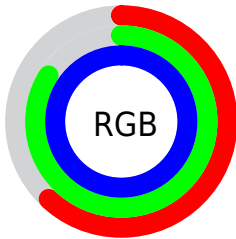
Format	Color
R_{YB}	159, 193, 253
Decimal	10475005
CIE Lab	83.00, -7.75, -25.08
CIE LCh	83, 26.252, 252.837
Yxy	62.1629, 0.2540, 0.2823
Android (android.graphics.Color)	4288665085 (0xFF9FD5FD)
YUV	201.4140, 25.4319, -37.1971
Hunter-Lab	78.8435, -11.3648, -21.6061

Details

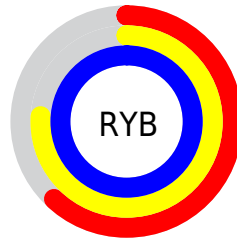
The CIELCh color $83, 26.252, 252.837$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $84, 30.739, 62.918$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 13.092, 198.632$, and $63, 26.191, 253.392$ is the 20% darker color. If you saturate the color by 10%, you get $79, 32.700, 255.266$, and if you desaturate by 10%, it is $87, 19.499, 250.833$.

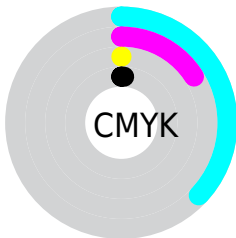
Distribution



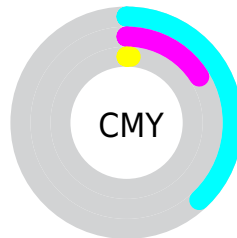
- Red (62%)
- Green (84%)
- Blue (99%)



- Red (62%)
- Yellow (76%)
- Blue (99%)



- Cyan (37%)
- Magenta (16%)
- Yellow (0%)
- Black (1%)




- Cyan (38%)
- Magenta (16%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 26.252, 252.837 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 83, 26.252, 252.837 by changing the saturation by 10% instead.


 83, 26.252,
252.837


 83, 26.252,
252.837


 100, 26.252,
252.837


 73, 26.252,
252.837

 63, 26.252,
252.837

 53, 26.252,
252.837

 43, 26.252,
252.837

 33, 26.252,
252.837

 23, 26.252,
252.837

 13, 26.252,

252.837

■ 3, 26.252, 252.837

■ 0, 26.252, 252.837

■ 83, 26.252,
252.837

■ 83, 26.252,
252.837

■ 79, 32.700,
255.266

■ 87, 19.499,
250.833

■ 75, 38.823,
258.201

■ 92, 12.485,
249.193

■ 71, 44.634,
261.698

■ 96, 5.260, 247.880

■ 67, 50.199,
265.780

100, 0.915,
110.025

■ 64, 55.646,

270.393

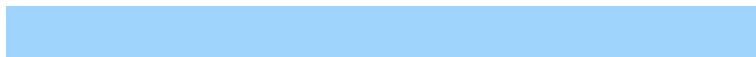
■ 60, 61.148,
275.367

■ 59, 62.779,
276.766

Harmonies

Complementary

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



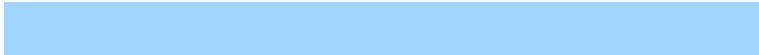
83, 26.252, 252.837



84, 30.739, 62.918

Rectangle

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



83, 26.252, 252.837



83, 26.252, 302.837



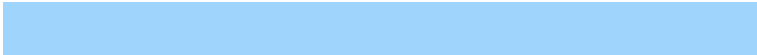
83, 26.252, 72.837



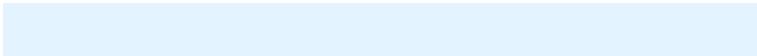
83, 26.252, 122.837

Sweetspot

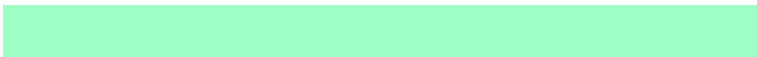
The Sweet Spot groups the original color and five complimentary colors.



83, 26.251, 252.835



95, 8.125, 248.346



93, 43.130, 155.949



50, 5.451, 248.523



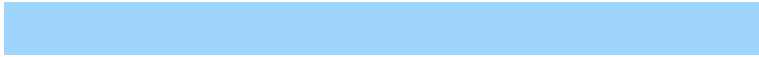
0, 0.000, 0.000



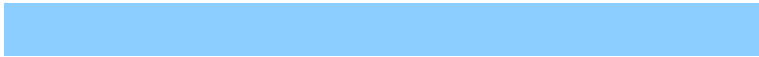
53, 0.007, 296.813

Same Dimension

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



83, 26.251, 252.835



80, 31.535, 254.713



71, 47.049, 291.801



51, 4.207, 248.159



45, 50.093, 275.861



14, 20.783, 268.790

Inverse Universe

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



76, 44.087, 343.170



73, 53.366, 344.076



96, 43.485, 102.669



50, 6.716, 340.553



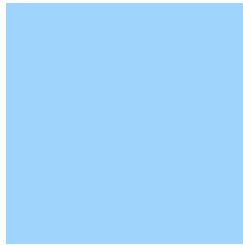
42, 69.627, 355.224



11, 32.762, 350.803

Previews

White Background



This preview shows how the CIELCh color 83, 26.252, 252.837 looks on a white background.

Color Contrast Check

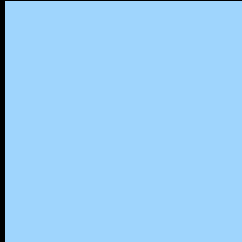
Large Text (above 18pt) WCAG AA × Fail

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 83, 26.252, 252.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

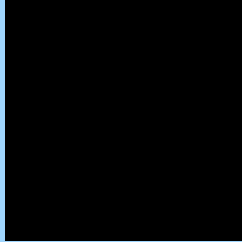
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

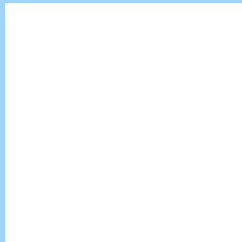
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 26.252, 252.837

Background



This preview shows how black text looks on a background with the CIELCh color 83, 26.252, 252.837.

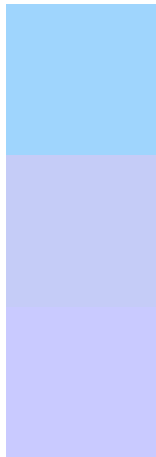


This preview shows how white text looks on a background with the CIELCh color 83, 26.252, 252.837.

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

83, 26.252, 252.837

Protanopia

83, 22.823, 286.336

Deuteranopia

83, 28.067, 291.908



Tritanopia
83, 21.531, 224.641

Trichromacy



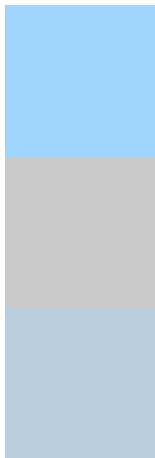
Original Color
83, 26.252, 252.837

Protanomaly
83, 23.275, 272.711

Deuteranomaly
83, 25.980, 278.122

Tritanomaly
83, 22.579, 236.180

Monochromacy



Original Color
83, 26.252, 252.837

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 10.375, 249.354

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 26.252, 252.837 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(159, 213, 253)` looks like.

```
.text, #text, p{  
    color:rgb(159, 213, 253)  
}
```

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(159, 213, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 213, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 26.252, 252.837 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(159, 213, 253) }
```

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

```
.border{ border-color:rgb(159, 213, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 213, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 213, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 213, 253);  
box-shadow:4px 4px 4px 4px rgb(159, 213,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 26.252, 252.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 213, 253) }
```

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

```
.background{ background-color: rgb(159,  
213, 253) }
```

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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