

Converting Colors

CIELCh(83, 30.632, 237.238)

Have a look what the booklet for
CIELCh(83, 30.632, 237.238)
contains.

CIELCh(83, 30.536, 236.994)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(83, 30.536, 236.994)

Conversions

Conversions Part 1

Format	Color
Hex	84DAFE
RGB	132, 218, 254
RGB Percent	52%, 85%, 100%
CMY	0.4826, 0.1453, 0.0042
CMYK	0.48, 0.14, 0.00, 0.00
HSL	198°, 98%, 76%
HSV	198°, 48%, 100%
XYZ	52.4405, 62.1629, 102.9473
YIQ	196.3900, -62.8120, -7.0360

Conversions

Conversions Part 2

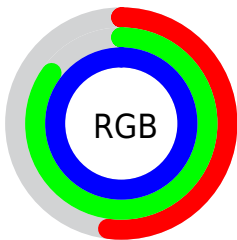
Format	Color
RYB	132, 182, 254
Decimal	8706814
CIELab	83.00, -16.63, -25.61
CIELCh	83, 30.536, 236.994
Yxy	62.1629, 0.2410, 0.2857
Android (android.graphics.Color)	4286896894 (0xFF84DAFE)
YUV	196.3900, 28.4017, -56.4700
Hunter-Lab	78.8435, -19.2518, -22.2255

Details

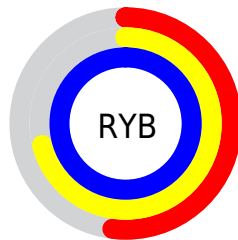
The CIELCh color **83, 30.536, 236.994** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **77, 42.076, 48.613**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.805, 198.137**, and **63, 30.435, 236.865** is the 20% darker color. If you saturate the color by 10%, you get **80, 35.314, 239.370**, and if you desaturate by 10%, it is **86, 25.114, 235.110**.

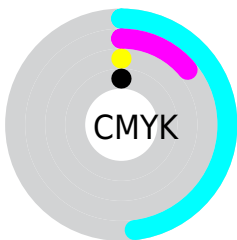
Distribution



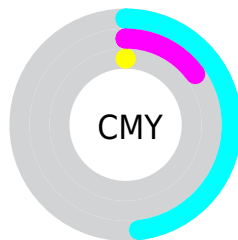
- Red (52%)
- Green (85%)
- Blue (100%)



- Red (52%)
- Yellow (71%)
- Blue (100%)



- Cyan (48%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (15%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 30.536, 236.994 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, 30.536, 236.994 by changing the saturation by 10% instead.


 83, 30.536,
236.994


 83, 30.536,
236.994


 100, 30.536,
236.994


 73, 30.536,
236.994

 63, 30.536,
236.994

 53, 30.536,
236.994

 43, 30.536,
236.994

 33, 30.536,
236.994

 23, 30.536,
236.994

 13, 30.536,

236.994

■ 3, 30.536, 236.994

■ 0, 30.536, 236.994

■ 83, 30.536,
236.994

■ 83, 30.536,
236.994

■ 80, 35.314,
239.370

■ 86, 25.114,
235.110

■ 77, 39.416,
242.338

■ 90, 19.120,
233.632

■ 74, 42.869,
245.978

■ 93, 12.640,
232.485

■ 72, 45.780,
250.323

■ 97, 5.765, 231.632

100, 0.527,

■ 69, 48.364,

109.992

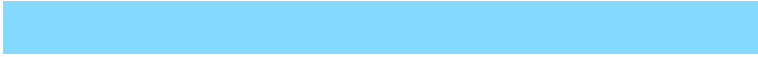
255.290

■ 69, 48.878,
256.274

Harmonies

Complementary

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



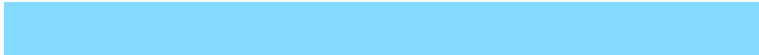
83, 30.536, 236.994



77, 42.076, 48.613

Rectangle

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



83, 30.536, 236.994



83, 30.536, 286.994



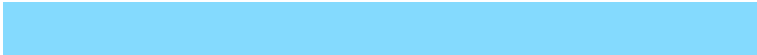
83, 30.536, 56.994



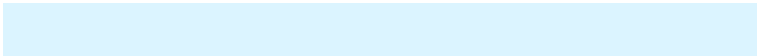
83, 30.536, 106.994

Sweetspot

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



83, 30.535, 236.992



95, 9.938, 232.103



91, 61.407, 149.125



50, 6.826, 232.301



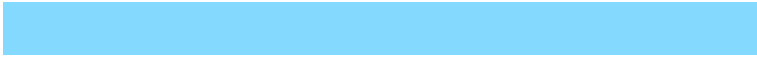
0, 0.000, 0.000



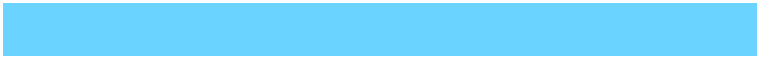
53, 0.007, 296.813

Same Dimension

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



83, 30.535, 236.992



80, 35.413, 239.363



67, 52.900, 287.510



51, 4.077, 231.736



53, 39.181, 255.323



17, 17.156, 248.342

Inverse Universe

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



71, 61.331, 337.824



67, 72.368, 338.799



91, 49.770, 93.504



50, 7.366, 334.707



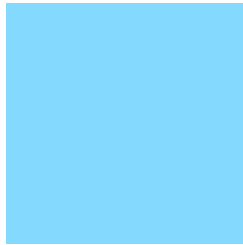
43, 74.551, 344.574



11, 35.119, 342.053

Previews

White Background



This preview shows how the CIE LCh color 83, 30.536, 236.994 looks on a white background.

Color Contrast Check

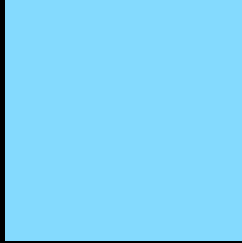
Large Text (above 18pt) WCAG AA × Fail

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, 30.536, 236.994 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, 30.536, 236.994

Background



This preview shows how black text looks on a background with the CIELCh color 83, 30.536, 236.994.



This preview shows how white text looks on a background with the CIELCh color 83, 30.536, 236.994.

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



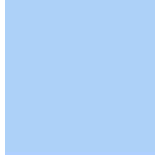


Tritanopia
83, 29.021, 215.853

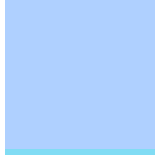
Trichromacy



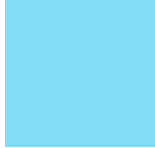
Original Color
83, 30.536, 236.994



Protanomaly
83, 23.199, 262.414

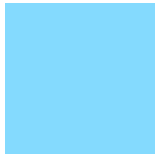


Deuteranomaly
83, 26.553, 269.386

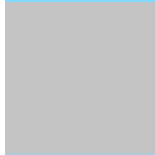


Tritanomaly
83, 29.121, 223.863

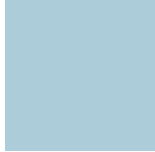
Monochromacy



Original Color
83, 30.536, 236.994



Achromatopsia
79, 0.010, 296.813



Achromatomaly
80, 12.441, 232.749

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 30.536, 236.994 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(132, 218, 254)` looks like.

```
.text, #text, p{  
    color:rgb(132, 218, 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(132, 218, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 218, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 30.536, 236.994 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(132, 218, 254) }
```

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

```
.border{ border-color:rgb(132, 218, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 218, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 218, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 218, 254);  
box-shadow:4px 4px 4px 4px rgb(132, 218,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 30.536, 236.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 218, 254) }
```

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

```
.background{ background-color: rgb(132,  
218, 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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