

Converting Colors

CIELCh(83, 29.757, 241.855)

Have a look what the booklet for
CIELCh(83, 29.757, 241.855)
contains.

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Color

CIELCh(83, 29.655, 241.266)

Conversions

Conversions Part 1

Format	Color
Hex	8BD9FF
RGB	139, 217, 255
RGB Percent	55%, 85%, 100%
CMY	0.4559, 0.1500, 0.0010
CMYK	0.46, 0.15, 0.00, 0.00
HSL	200°, 100%, 77%
HSV	200°, 46%, 100%
XYZ	53.3578, 62.1629, 103.5706
YIQ	198.0100, -58.6860, -4.7180

Conversions

Conversions Part 2

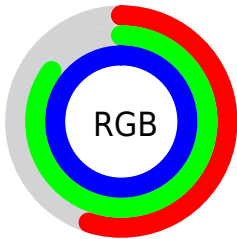
Format	Color
RYB	139, 186, 255
Decimal	9165311
CIELab	83.00, -14.26, -26.00
CIELCh	83, 29.655, 241.266
Yxy	62.1629, 0.2435, 0.2837
Android (android.graphics.Color)	4287355391 (0xFF8BD9FF)
YUV	198.0100, 28.0961, -51.7518
Hunter-Lab	78.8435, -17.1751, -22.6943

Details

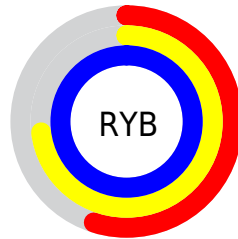
The CIELCh color **83, 29.655, 241.266** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **79, 39.210, 51.933**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.012, 198.250**, and **63, 29.682, 241.137** is the 20% darker color. If you saturate the color by 10%, you get **80, 34.847, 243.728**, and if you desaturate by 10%, it is **87, 23.903, 239.292**.

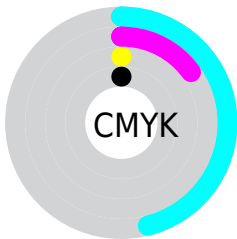
Distribution



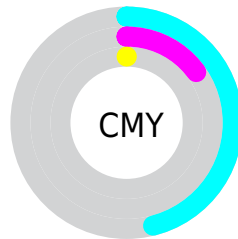
- Red (55%)
- Green (85%)
- Blue (100%)



- Red (55%)
- Yellow (73%)
- Blue (100%)



- Cyan (46%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (15%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 29.655, 241.266 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, 29.655, 241.266 by changing the saturation by 10% instead.


 83, 29.655,
241.266

 83, 29.655,
241.266


 100, 29.655,
241.266


 73, 29.655,
241.266

 63, 29.655,
241.266

 53, 29.655,
241.266

 43, 29.655,
241.266

 33, 29.655,
241.266

 23, 29.655,
241.266

 13, 29.655,

241.266

■ 3, 29.655, 241.266

■ 0, 29.655, 241.266

■ 83, 29.655,
241.266

■ 83, 29.655,
241.266

■ 80, 34.847,
243.728

■ 87, 23.903,
239.292

■ 76, 39.452,
246.774

■ 90, 17.657,
237.724

■ 73, 43.490,
250.478

■ 94, 10.996,
236.489

■ 71, 47.063,
254.868

■ 98, 3.997, 235.582

■ 68, 50.357,

100, 0.122,
109.536

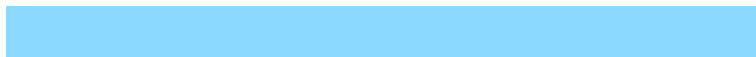
259.872

■ 67, 51.834,
262.182

Harmonies

Complementary

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



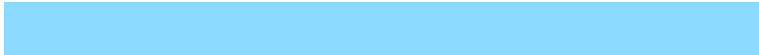
83, 29.655, 241.266



79, 39.210, 51.933

Rectangle

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



83, 29.655, 241.266



83, 29.655, 291.266



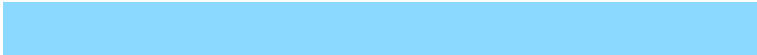
83, 29.655, 61.266



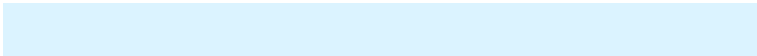
83, 29.655, 111.266

Sweetspot

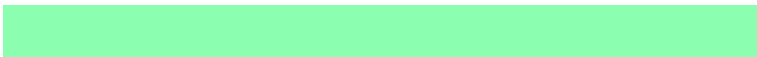
The Sweet Spot groups the original color and five complimentary colors.



83, 29.654, 241.264



95, 9.950, 236.326



92, 57.040, 150.707



50, 6.838, 236.557



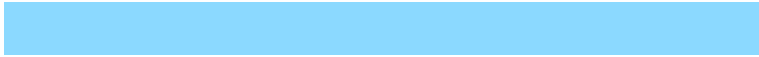
0, 0.000, 0.000



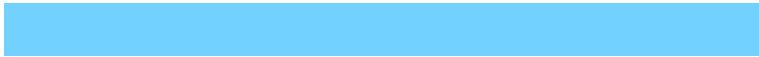
53, 0.007, 296.813

Same Dimension

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



83, 29.654, 241.264



80, 34.613, 243.583



68, 52.235, 288.749



51, 4.078, 235.891



51, 41.360, 261.206



16, 17.836, 254.003

Inverse Universe

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



73, 57.318, 339.107



68, 67.855, 340.086



92, 48.714, 96.009



50, 7.198, 336.059



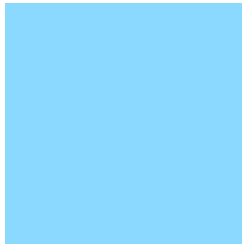
42, 73.068, 347.024



11, 34.452, 344.069

Previews

White Background



This preview shows how the CIELCh color 83, 29.655, 241.266 looks on a white background.

Color Contrast Check

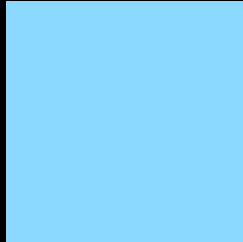
Large Text (above 18pt) WCAG AA × Fail

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, 29.655, 241.266 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

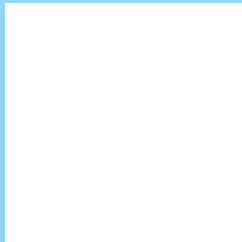
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 29.655, 241.266

Background



This preview shows how black text looks on a background with the CIELCh color 83, 29.655, 241.266.

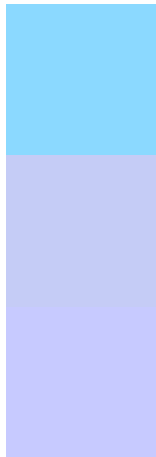


This preview shows how white text looks on a background with the CIELCh color 83, 29.655, 241.266.

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, 29.655, 241.266

Protanopia

83, 22.298, 286.142

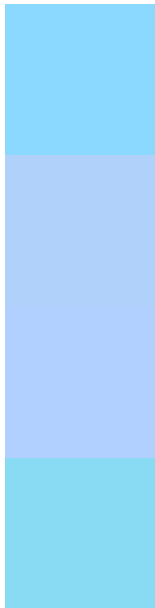
Deuteranopia

83, 28.071, 290.592



Tritanopia
83, 27.209, 217.228

Trichromacy



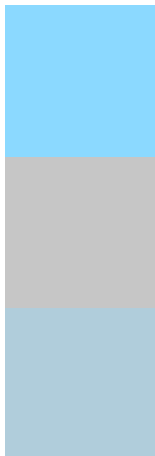
Original Color
83, 29.655, 241.266

Protanomaly
83, 23.262, 265.130

Deuteranomaly
82, 26.760, 271.728

Tritanomaly
83, 27.421, 225.728

Monochromacy



Original Color
83, 29.655, 241.266

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 12.184, 236.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 29.655, 241.266 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(139, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 217, 255)  
}
```

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(139, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 217, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 29.655, 241.266 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(139, 217, 255) }
```

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

```
.border{ border-color:rgb(139, 217, 255) }
```

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

Here you see how a box with a 4 pixel rgb(139, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 217,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 29.655, 241.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 217, 255) }
```

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

```
.background{ background-color: rgb(139,  
217, 255) }
```

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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