

Converting Colors

CIELCh(87, 32.849, 219.255)

Have a look what the booklet for
CIELCh(87, 32.849, 219.255)
contains.

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Color

CIELCh(87, 32.647, 218.430)

Conversions

Conversions Part 1

Format	Color
Hex	7CE9FF
RGB	124, 233, 255
RGB Percent	49%, 91%, 100%
CMY	0.5124, 0.0850, 0.0000
CMYK	0.51, 0.09, 0.00, 0.00
HSL	190°, 100%, 74%
HSV	190°, 51%, 100%
XYZ	55.6897, 70.0064, 105.4542
YIQ	202.9170, -72.0260, -16.2660

Conversions

Conversions Part 2

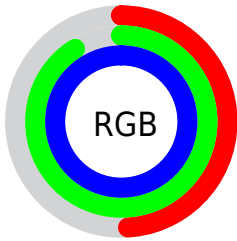
Format	Color
RYB	124, 183, 255
Decimal	8186367
CIELab	87.00, -25.57, -20.29
CIELCh	87, 32.647, 218.430
Yxy	70.0064, 0.2409, 0.3029
Android (android.graphics.Color)	4286376447 (0xFF7CE9FF)
YUV	202.9170, 25.6769, -69.2102
Hunter-Lab	83.6698, -27.6145, -16.1580

Details

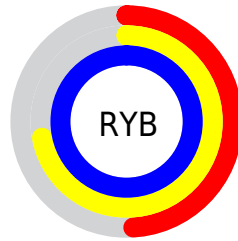
The CIELCh color **87, 32.647, 218.430** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **72, 48.766, 37.127**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.846, 198.009**, and **67, 32.596, 218.262** is the 20% darker color. If you saturate the color by 10%, you get **85, 36.669, 219.407**, and if you desaturate by 10%, it is **89, 27.659, 217.183**.

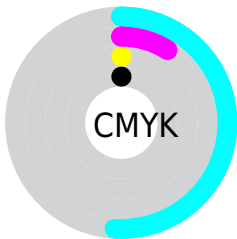
Distribution



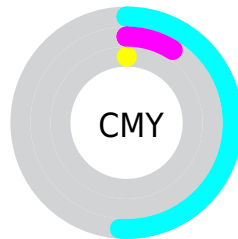
- Red (49%)
- Green (91%)
- Blue (100%)



- Red (49%)
- Yellow (72%)
- Blue (100%)



- Cyan (51%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (9%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 32.647, 218.430 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, 32.647, 218.430 by changing the saturation by 10% instead.


 87, 32.647,
218.430


 87, 32.647,
218.430


 100, 32.647,
218.430


 77, 32.647,
218.430

 67, 32.647,
218.430

 57, 32.647,
218.430

 47, 32.647,
218.430

 37, 32.647,
218.430


 27, 32.647,
218.430


 17, 32.647,


218.430


 7, 32.647, 218.430


 0, 32.647, 218.430


 87, 32.647,
218.430


 87, 32.647,
218.430


 85, 36.669,
219.407


 89, 27.659,
217.183

 83, 39.744,
221.102

 92, 21.891,
216.518


 81, 41.840,
223.285

 94, 15.437,
216.079

 80, 43.038,
226.020

 97, 8.419, 215.835

 79, 43.549,

 100, 0.953,
216.304

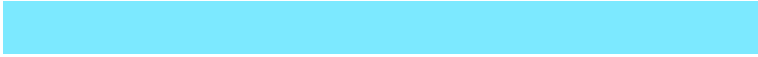
228.839

100, 0.012,
296.813

Harmonies

Complementary

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



87, 32.647, 218.430



72, 48.766, 37.127

Rectangle

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



87, 32.647, 218.430



87, 32.647, 268.430



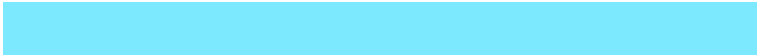
87, 32.647, 38.430



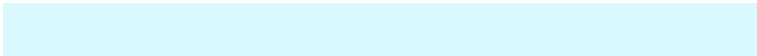
87, 32.647, 88.430

Sweetspot

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



87, 32.619, 218.125



96, 11.116, 215.903



91, 72.224, 144.255



51, 7.536, 215.954



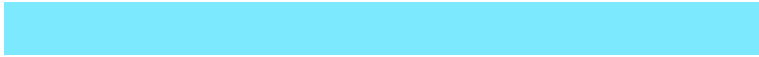
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 32.619, 218.125



85, 36.583, 219.372



70, 47.474, 279.496



52, 4.278, 215.815



61, 35.070, 228.208



20, 16.162, 223.872

Inverse Universe

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



71, 71.009, 332.657



66, 81.956, 333.322



86, 48.225, 82.838



50, 8.075, 329.921



44, 81.753, 336.176



12, 38.191, 335.064

Previews

White Background



This preview shows how the CIE LCh color 87, 32.647, 218.430 looks on a white background.

Color Contrast Check

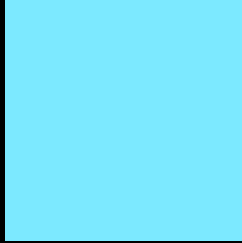
Large Text (above 18pt) WCAG AA × Fail

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, 32.647, 218.430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

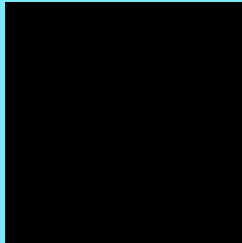
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 32.647, 218.430

Background



This preview shows how black text looks on a background with the CIELCh color 87, 32.647, 218.430.

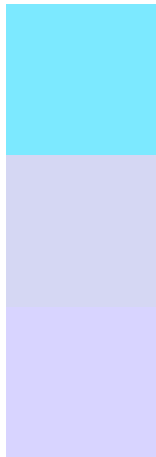


This preview shows how white text looks on a background with the CIELCh color 87, 32.647, 218.430.

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, 32.647, 218.430

Protanopia

87, 14.687, 288.747

Deuteranopia

86, 22.646, 295.413



Tritanopia
87, 32.637, 215.424

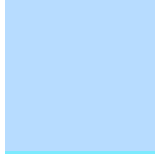
Trichromacy



Original Color
87, 32.647, 218.430



Protanomaly
86, 18.310, 244.754



Deuteranomaly
86, 21.443, 258.281

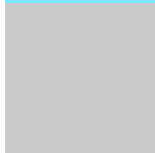


Tritanomaly
87, 32.702, 216.375

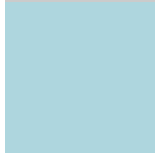
Monochromacy



Original Color
87, 32.647, 218.430



Achromatopsia
82, 0.010, 296.813



Achromatomaly
83, 14.027, 216.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 32.647, 218.430 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(124, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(124, 233, 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(124, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 233, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 32.647, 218.430 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(124, 233, 255) }
```

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

```
.border{ border-color:rgb(124, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(124, 233,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 32.647, 218.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 233, 255) }
```

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

```
.background{ background-color: rgb(124,  
233, 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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