

Converting Colors

CIELCh(93, 86.835, 281.930)

Have a look what the booklet for
CIELCh(93, 86.835, 281.930)
contains.

CIELCh(87, 32.449, 218.574)	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(87, 32.449, 218.574)

Conversions

Conversions Part 1

Format	Color
Hex	7DE9FF
RGB	125, 233, 255
RGB Percent	49%, 91%, 100%
CMY	0.5089, 0.0854, 0.0000
CMYK	0.51, 0.09, 0.00, 0.00
HSL	190°, 100%, 75%
HSV	190°, 51%, 100%
XYZ	55.7720, 70.0064, 105.3595
YIQ	203.2160, -71.4300, -16.0540

Conversions

Conversions Part 2

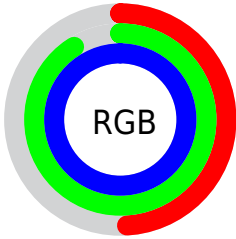
Format	Color
R _Y B	125, 184, 255
Decimal	8251903
CIE Lab	87.00, -25.37, -20.23
CIE LCh	87, 32.449, 218.574
Yxy	70.0064, 0.2413, 0.3029
Android (android.graphics.Color)	4286441983 (0xFF7DE9FF)
YUV	203.2160, 25.5295, -68.5954
Hunter-Lab	83.6698, -27.4391, -16.0909

Details

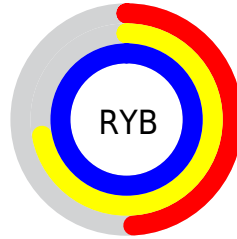
The CIELCh color **87, 32.449, 218.574** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **72, 48.309, 37.255**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.558, 198.027**, and **67, 32.465, 218.360** is the 20% darker color. If you saturate the color by 10%, you get **85, 36.513, 219.659**, and if you desaturate by 10%, it is **89, 27.442, 217.421**.

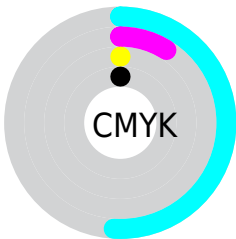
Distribution



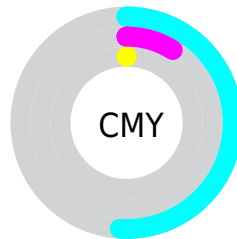
- Red (49%)
- Green (91%)
- Blue (100%)



- 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, 32.449, 218.574 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, 32.449, 218.574 by changing the saturation by 10% instead.


 87, 32.449,
218.574


 87, 32.449,
218.574


 100, 32.449,
218.574


 77, 32.449,
218.574

 67, 32.449,
218.574

 57, 32.449,
218.574

 47, 32.449,
218.574

 37, 32.449,
218.574

 27, 32.449,
218.574

 17, 32.449,

218.574

■ 7, 32.449, 218.574

■ 0, 32.449, 218.574

■ 87, 32.449,
218.574

■ 87, 32.449,
218.574

■ 85, 36.513,
219.659

■ 89, 27.442,
217.421

■ 83, 39.626,
221.365

■ 92, 21.653,
216.750

■ 81, 41.763,
223.560

■ 94, 15.183,
216.305

■ 80, 43.002,
226.311

■ 97, 8.155, 216.057

■ 79, 43.558,

100, 0.685,
216.789

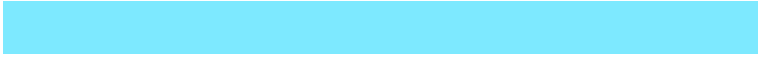
229.273

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, 32.449, 218.574



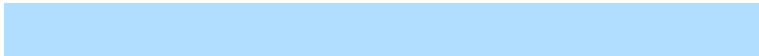
72, 48.309, 37.255

Rectangle

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



87, 32.449, 218.574



87, 32.449, 268.574



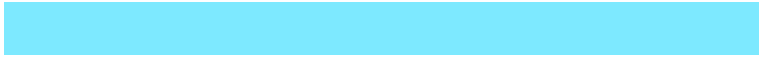
87, 32.449, 38.574



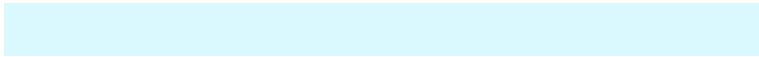
87, 32.449, 88.574

Sweetspot

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



87, 32.430, 218.369



96, 11.103, 216.135



91, 70.925, 144.810



51, 7.527, 216.188



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, 32.430, 218.369



85, 36.552, 219.676



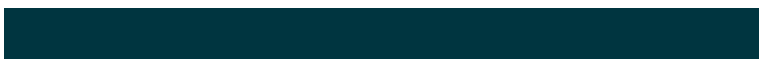
69, 48.241, 280.666



52, 4.273, 216.041



60, 35.074, 228.634



20, 16.157, 224.242

Inverse Universe

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



71, 70.495, 332.708



66, 81.849, 333.401



87, 48.411, 84.290



50, 8.064, 329.986



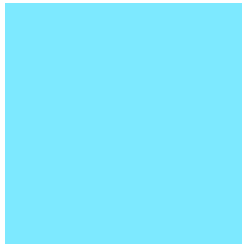
44, 81.632, 336.287



12, 38.141, 335.157

Previews

White Background



This preview shows how the CIE LCh color 87, 32.449, 218.574 looks on a white background.

Color Contrast Check

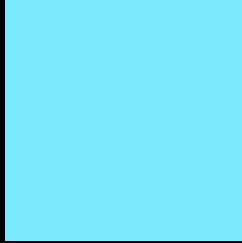
Large Text (above 18pt) WCAG AA × Fail

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, 32.449, 218.574 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, 32.449, 218.574

Background



This preview shows how black text looks on a background with the CIELCh color 87, 32.449, 218.574.

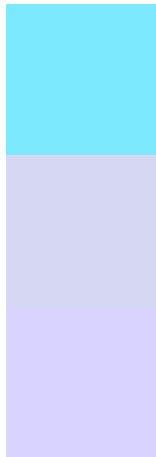


This preview shows how white text looks on a background with the CIELCh color 87, 32.449, 218.574.

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, 32.449, 218.574

Protanopia

87, 14.687, 288.747

Deuteranopia

86, 22.646, 295.413



Tritanopia
87, 32.581, 214.469

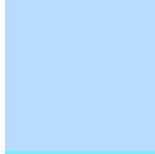
Trichromacy



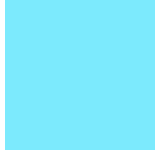
Original Color
87, 32.449, 218.574



Protanomaly
86, 18.310, 244.754



Deuteranomaly
86, 21.443, 258.281

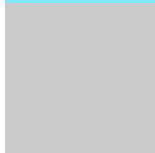


Tritanomaly
87, 32.637, 215.424

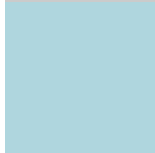
Monochromacy



Original Color
87, 32.449, 218.574



Achromatopsia
82, 0.010, 296.813



Achromatomaly
83, 13.726, 216.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 32.449, 218.574 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(125, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 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(125, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 233, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 32.449, 218.574 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(125, 233, 255) }
```

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

```
.border{ border-color:rgb(125, 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(125, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 233,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 32.449, 218.574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 233, 255) }
```

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

```
.background{ background-color: rgb(125,  
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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