

Converting Colors

CIELCh(84, 45.050, 207.408)

Have a look what the booklet for
CIELCh(84, 45.050, 207.408)
contains.

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Color

CIELCh(84, 44.954, 207.592)

Conversions

Conversions Part 1

Format	Color
Hex	02E7F7
RGB	2, 231, 247
RGB Percent	1%, 91%, 97%
CMY	0.9915, 0.0929, 0.0302
CMYK	0.99, 0.06, 0.00, 0.03
HSL	184°, 98%, 49%
HSV	184°, 99%, 97%
XYZ	45.5200, 64.0658, 98.2040
YIQ	164.3530, -141.6200, -43.5720

Conversions

Conversions Part 2

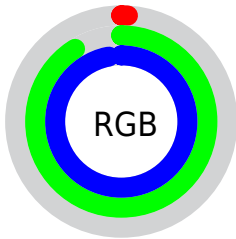
Format	Color
R _Y B	2, 120, 247
Decimal	190455
CIE Lab	84.00, -39.84, -20.82
CIE LCh	84, 44.954, 207.592
Yxy	64.0658, 0.2191, 0.3083
Android (android.graphics.Color)	4278380535 (0xFF02E7F7)
YUV	164.3530, 40.7450, -142.3836
Hunter-Lab	80.0411, -38.5576, -16.7153

Details

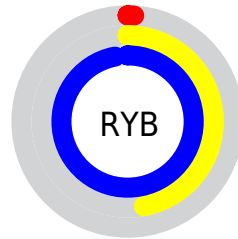
The CIELCh color **84, 44.954, 207.592** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **52, 100.844, 40.349**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **65, 36.400, 211.020** is the 20% darker color. If you saturate the color by 10%, you get **84, 44.972, 207.685**, and if you desaturate by 10%, it is **85, 44.562, 206.564**.

Distribution



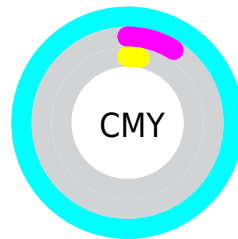
- Red (1%)
- Green (91%)
- Blue (97%)



- Red (1%)
- Yellow (47%)
- Blue (97%)



- Cyan (99%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)



- Cyan (99%)
- Magenta (9%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 44.954, 207.592 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 84, 44.954, 207.592 by changing the saturation by 10% instead.

 84, 44.954,
207.592

 84, 44.954,
207.592

 100, 44.954,
207.592


 74, 44.954,
207.592

 64, 44.954,
207.592

 54, 44.954,
207.592

 44, 44.954,
207.592

 34, 44.954,
207.592

 24, 44.954,
207.592

 14, 44.954,

207.592

■ 4, 44.954, 207.592

■ 0, 44.954, 207.592

■ 84, 44.954,
207.592

■ 84, 44.954,
207.592

■ 84, 44.972,
207.685

■ 85, 44.562,
206.564

■ 85, 43.316,
205.751

■ 86, 41.042,
205.157

■ 87, 37.695,
204.761

■ 88, 33.302,

204.542

■ 90, 27.942,
204.476

■ 92, 21.727,
204.540

■ 93, 14.791,
204.718

■ 95, 7.268, 205.013

Harmonies

Complementary

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



84, 44.954, 207.592



52, 100.844, 40.349

Rectangle

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



84, 44.954, 207.592



84, 44.954, 257.592



84, 44.954, 27.592



84, 44.954, 77.592

Sweetspot

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



84, 44.953, 207.591



94, 22.859, 204.529



85, 116.021, 136.331



49, 15.321, 204.492



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 44.953, 207.591



86, 46.023, 207.705



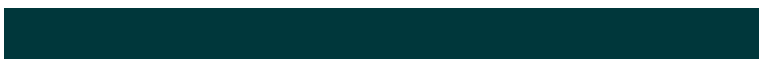
50, 78.581, 289.057



50, 4.485, 205.000



65, 36.379, 207.471



20, 16.330, 205.885

Inverse Universe

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



58, 107.076, 331.038



59, 109.688, 331.071



68, 81.661, 64.396



48, 8.377, 326.762



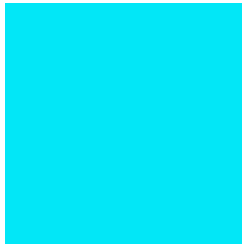
44, 86.673, 331.013



11, 38.798, 330.622

Previews

White Background



This preview shows how the CIE LCh color 84, 44.954, 207.592 looks on a white background.

Color Contrast Check

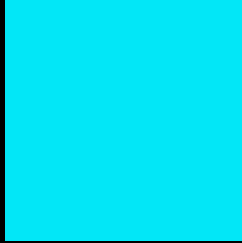
Large Text (above 18pt) WCAG AA × Fail

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 84, 44.954, 207.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

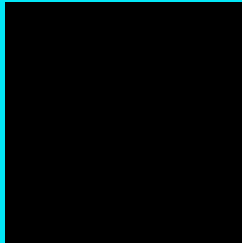
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 44.954, 207.592

Background



This preview shows how black text looks on a background with the CIELCh color 84, 44.954, 207.592.

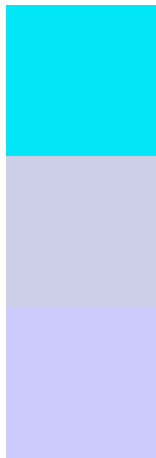


This preview shows how white text looks on a background with the CIELCh color 84, 44.954, 207.592.

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

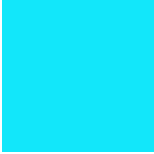
84, 44.911, 207.605

Protanopia

83, 13.215, 289.823

Deuteranopia

83, 27.008, 293.857

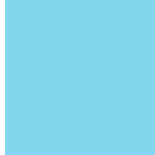


Tritanopia
84, 44.419, 209.908

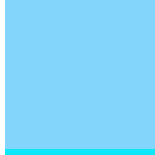
Trichromacy



Original Color
84, 44.911, 207.605



Protanomaly
82, 27.328, 223.374



Deuteranomaly
82, 30.652, 241.052

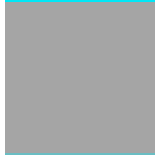


Tritanomaly
84, 44.614, 209.122

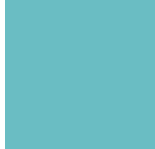
Monochromacy



Original Color
84, 44.911, 207.605



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 26.042, 204.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 44.954, 207.592 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(2, 231, 247)` looks like.

```
.text, #text, p{  
    color:rgb(2, 231, 247)  
}
```

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(2, 231, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 231, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 44.954, 207.592 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(2, 231, 247) }
```

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

```
.border{ border-color:rgb(2, 231, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 231, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 231, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 231, 247);  
box-shadow:4px 4px 4px 4px rgb(2, 231,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 44.954, 207.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 231, 247) }
```

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

```
.background{ background-color: rgb(2, 231,  
247) }
```

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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