

Converting Colors

CIELCh(86, 50.269, 186.446)

Have a look what the booklet for
CIELCh(86, 50.269, 186.446)
contains.

CIELCh(86, 50.225, 186.463)	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(86, 50.225, 186.463)

Conversions

Conversions Part 1

Format	Color
Hex	16F0E0
RGB	22, 240, 224
RGB Percent	9%, 94%, 88%
CMY	0.9146, 0.0581, 0.1209
CMYK	0.91, 0.00, 0.07, 0.06
HSL	176°, 88%, 51%
HSV	176°, 91%, 94%
XYZ	45.0178, 67.9871, 81.3975
YIQ	172.9940, -124.7920, -51.1920

Conversions

Conversions Part 2

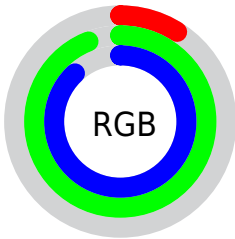
Format	Color
R_{YB}	22, 135, 240
Decimal	1503456
CIE _{Lab}	86.00, -49.91, -5.65
CIE _{LCh}	86, 50.225, 186.463
Yxy	67.9871, 0.2316, 0.3497
Android (android.graphics.Color)	4279693536 (0xFF16F0E0)
YUV	172.9940, 25.1460, -132.4217
Hunter-Lab	82.4543, -46.8388, -0.8121

Details

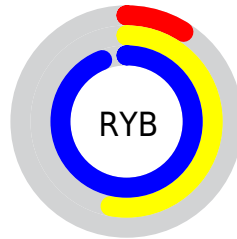
The CIELCh color **86, 50.225, 186.463** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **51, 90.943, 34.337**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **67, 41.820, 185.359** is the 20% darker color. If you saturate the color by 10%, you get **86, 51.172, 185.621**, and if you desaturate by 10%, it is **86, 48.431, 187.333**.

Distribution



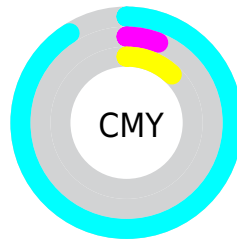
- Red (9%)
- Green (94%)
- Blue (88%)



- Red (9%)
- Yellow (53%)
- Blue (94%)



- Cyan (91%)
- Magenta (0%)
- Yellow (7%)
- Black (6%)




- Cyan (91%)
- Magenta (6%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 50.225, 186.463 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 86, 50.225, 186.463 by changing the saturation by 10% instead.


 86, 50.225,
186.463


 86, 50.225,
186.463


 100, 50.225,
186.463

 76, 50.225,
186.463

 66, 50.225,
186.463

 56, 50.225,
186.463

 46, 50.225,
186.463

 36, 50.225,
186.463

 26, 50.225,
186.463

 16, 50.225,

186.463

■ 6, 50.225, 186.463

■ 0, 50.225, 186.463

■ 86, 50.225,
186.463

■ 86, 50.225,
186.463

■ 86, 51.172,
185.621

■ 86, 48.431,
187.333

■ 87, 45.638,
188.147

■ 87, 41.794,
188.918

■ 88, 36.919,
189.663

■ 89, 31.090,

190.395

■ 90, 24.423,
191.122

■ 91, 17.057,
191.853

■ 93, 9.135, 192.607

■ 95, 0.794, 194.045

Harmonies

Complementary

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



86, 50.225, 186.463



51, 90.943, 34.337

Rectangle

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



86, 50.225, 186.463



86, 50.225, 236.463



86, 50.225, 6.463



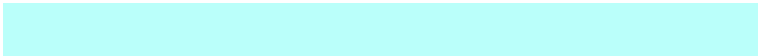
86, 50.225, 56.463

Sweetspot

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



86, 50.225, 186.462



96, 22.668, 191.402



83, 111.387, 135.772



50, 15.100, 191.152



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 50.225, 186.462



91, 53.557, 185.589



60, 54.416, 270.960



49, 4.754, 192.723



67, 41.782, 185.789



20, 18.051, 187.179

Inverse Universe

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



51, 90.943, 34.337



53, 101.617, 37.844



62, 79.627, 55.767



47, 5.007, 14.016



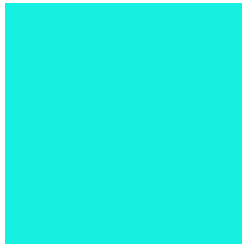
38, 78.649, 37.087



8, 29.466, 20.849

Previews

White Background



This preview shows how the CIE LCh color 86, 50.225, 186.463 looks on a white background.

Color Contrast Check

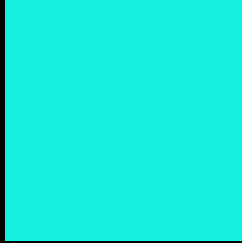
Large Text (above 18pt) WCAG AA × Fail

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 86, 50.225, 186.463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

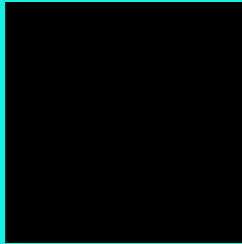
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 50.225, 186.463

Background



This preview shows how black text looks on a background with the CIELCh color 86, 50.225, 186.463.

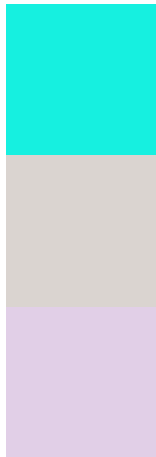


This preview shows how white text looks on a background with the CIELCh color 86, 50.225, 186.463.

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

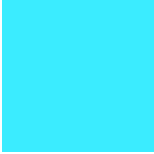
86, 50.186, 186.458

Protanopia

85, 3.017, 63.274

Deuteranopia

85, 14.208, 317.725

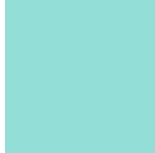


Tritanopia
86, 42.683, 210.530

Trichromacy



Original Color
86, 50.186, 186.458



Protanomaly
84, 25.142, 187.931



Deuteranomaly
83, 22.189, 211.870

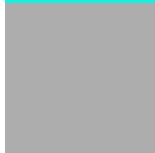


Tritanomaly
86, 44.952, 200.651

Monochromacy



Original Color
86, 50.186, 186.458



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 25.959, 191.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 50.225, 186.463 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(22, 240, 224)` looks like.

```
.text, #text, p{  
    color:rgb(22, 240, 224)  
}
```

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(22, 240, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 240, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 50.225, 186.463 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(22, 240, 224) }
```

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

```
.border{ border-color:rgb(22, 240, 224) }
```

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

Here you see how a box with a 4 pixel rgb(22, 240, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 240, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 240, 224);  
box-shadow:4px 4px 4px 4px rgb(22, 240,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 50.225, 186.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 240, 224) }
```

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

```
.background{ background-color: rgb(22, 240,  
224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor