

Converting Colors

CIELCh(87, 53.747, 180.753)

Have a look what the booklet for
CIELCh(87, 53.747, 180.753)
contains.

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Color

CIELCh(87, 53.501, 181.153)

Conversions

Conversions Part 1

Format	Color
Hex	0DF4DA
RGB	13, 244, 218
RGB Percent	5%, 96%, 85%
CMY	0.9508, 0.0422, 0.1442
CMYK	0.95, 0.00, 0.11, 0.04
HSL	173°, 92%, 50%
HSV	173°, 95%, 96%
XYZ	45.2699, 70.0064, 77.6198
YIQ	171.9670, -129.3300, -57.0580

Conversions

Conversions Part 2

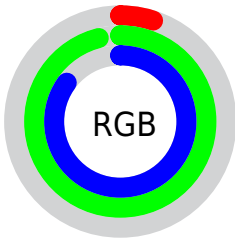
Format	Color
RYB	13, 135, 244
Decimal	914650
CIELab	87.00, -53.49, -1.08
CIElCh	87, 53.501, 181.153
Yxy	70.0064, 0.2347, 0.3629
Android (android.graphics.Color)	4279104730 (0xFF0DF4DA)
YUV	171.9670, 22.6943, -139.4141
Hunter-Lab	83.6698, -49.8441, 3.5661

Details

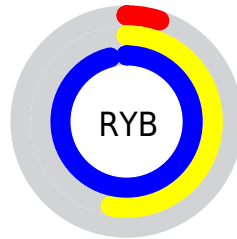
The CIELCh color **87, 53.501, 181.153** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **51, 92.789, 33.838**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **68, 45.061, 178.747** is the 20% darker color. If you saturate the color by 10%, you get **87, 54.152, 180.482**, and if you desaturate by 10%, it is **87, 51.741, 182.398**.

Distribution



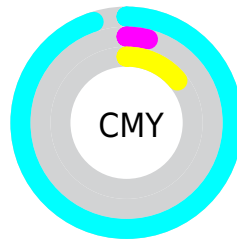
- Red (5%)
- Green (96%)
- Blue (85%)



- Red (5%)
- Yellow (53%)
- Blue (96%)



- Cyan (95%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)





- Cyan (95%)
- Magenta (4%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 53.501, 181.153 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, 53.501, 181.153 by changing the saturation by 10% instead.


 87, 53.501,
181.153


 87, 53.501,
181.153


 100, 53.501,
181.153


 77, 53.501,
181.153

 67, 53.501,
181.153

 57, 53.501,
181.153

 47, 53.501,
181.153

 37, 53.501,
181.153

 27, 53.501,
181.153

 17, 53.501,

181.153

■ 7, 53.501, 181.153

■ 0, 53.501, 181.153

■ 87, 53.501,
181.153

■ 87, 53.501,
181.153

■ 87, 54.152,
180.482

■ 87, 51.741,
182.398

■ 88, 49.021,
183.534

■ 88, 45.254,
184.576

■ 89, 40.442,
185.544

■ 90, 34.650,

186.456

■ 91, 27.988,
187.330

■ 92, 20.596,
188.178

■ 94, 12.620,
189.016

■ 95, 4.207, 189.916

Harmonies

Complementary

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



87, 53.501, 181.153



51, 92.789, 33.838

Rectangle

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



87, 53.501, 181.153



87, 53.501, 231.153



87, 53.501, 1.153



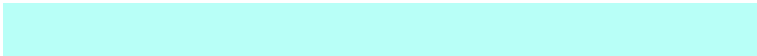
87, 53.501, 51.153

Sweetspot

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



87, 53.501, 181.152



95, 23.797, 187.909



85, 113.805, 135.491



50, 16.206, 187.542



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, 53.501, 181.152



90, 55.965, 180.450



62, 53.602, 268.331



50, 4.887, 189.476



68, 44.068, 180.718



21, 19.265, 182.596

Inverse Universe

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



51, 92.789, 33.838



53, 99.482, 36.113



61, 84.723, 52.520



48, 5.126, 10.901



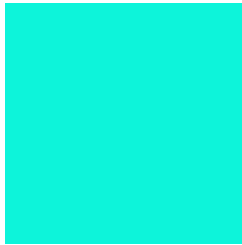
39, 77.722, 35.221



8, 30.376, 20.456

Previews

White Background



This preview shows how the CIE LCh color 87, 53.501, 181.153 looks on a white background.

Color Contrast Check

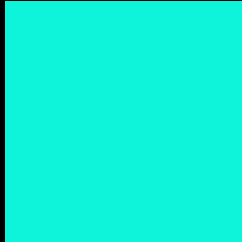
Large Text (above 18pt) WCAG AA × Fail

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, 53.501, 181.153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

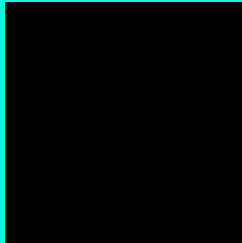
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 53.501, 181.153

Background



This preview shows how black text looks on a background with the CIELCh color 87, 53.501, 181.153.

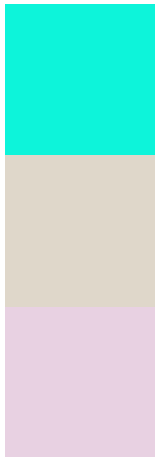


This preview shows how white text looks on a background with the CIELCh color 87, 53.501, 181.153.

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

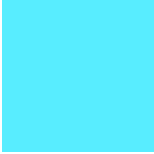
87, 53.450, 181.142

Protanopia

86, 7.395, 85.898

Deuteranopia

86, 12.194, 333.376

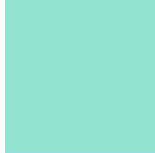


Tritanopia
87, 39.434, 211.046

Trichromacy



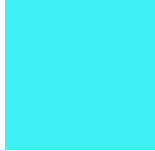
Original Color
87, 53.450, 181.142



Protanomaly
85, 28.471, 177.914



Deuteranomaly
84, 22.746, 199.205

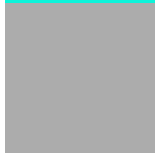


Tritanomaly
87, 44.308, 197.983

Monochromacy



Original Color
87, 53.450, 181.142



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 27.896, 187.184

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 53.501, 181.153 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(13, 244, 218)` looks like.

```
.text, #text, p{  
    color:rgb(13, 244, 218)  
}
```

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(13, 244, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 244, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 53.501, 181.153 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(13, 244, 218) }
```

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

```
.border{ border-color:rgb(13, 244, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 244, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 244, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 244, 218);  
box-shadow:4px 4px 4px 4px rgb(13, 244,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 53.501, 181.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 244, 218) }
```

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

```
.background{ background-color: rgb(13, 244,  
218) }
```

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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