

Converting Colors

CIELCh(84, 53.183, 174.231)

Have a look what the booklet for
CIELCh(84, 53.183, 174.231)
contains.

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Color

CIELCh(84, 53.171, 174.313)

Conversions

Conversions Part 1

Format	Color
Hex	31EBC6
RGB	49, 235, 198
RGB Percent	19%, 92%, 78%
CMY	0.8087, 0.0789, 0.2240
CMYK	0.79, 0.00, 0.16, 0.08
HSL	168°, 82%, 56%
HSV	168°, 79%, 92%
XYZ	41.1088, 64.0658, 63.5549
YIQ	175.1680, -98.9790, -50.9390

Conversions

Conversions Part 2

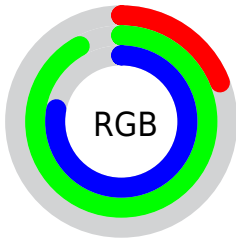
Format	Color
RYB	49, 152, 235
Decimal	3271622
CIELab	84.00, -52.91, 5.27
CIELCh	84, 53.171, 174.313
Yxy	64.0658, 0.2436, 0.3797
Android (android.graphics.Color)	4281461702 (0xFF31EBC6)
YUV	175.1680, 11.2562, -110.6493
Hunter-Lab	80.0411, -48.3949, 8.9508

Details

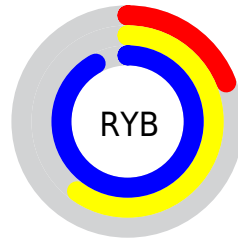
The CIELCh color **84, 53.171, 174.313** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **52, 74.716, 19.897**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.280, 197.133**, and **65, 46.903, 171.818** is the 20% darker color. If you saturate the color by 10%, you get **84, 56.186, 172.632**, and if you desaturate by 10%, it is **84, 49.195, 175.824**.

Distribution



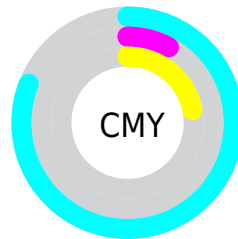
- Red (19%)
- Green (92%)
- Blue (78%)



- Red (19%)
- Yellow (60%)
- Blue (92%)



- Cyan (79%)
- Magenta (0%)
- Yellow (16%)
- Black (8%)





- Cyan (81%)
- Magenta (8%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 53.171, 174.313 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, 53.171, 174.313 by changing the saturation by 10% instead.


 84, 53.171,
174.313


 84, 53.171,
174.313


 100, 53.171,
174.313


 74, 53.171,
174.313

 64, 53.171,
174.313

 54, 53.171,
174.313

 44, 53.171,
174.313

 34, 53.171,
174.313

 24, 53.171,
174.313

 14, 53.171,

174.313

■ 4, 53.171, 174.313

■ 0, 53.171, 174.313

■ 84, 53.171,
174.313

■ 84, 53.171,
174.313

■ 84, 56.186,
172.632

■ 84, 49.195,
175.824

■ 83, 58.401,
170.800

■ 85, 44.236,
177.187

■ 83, 58.561,
170.659

■ 86, 38.348,
178.426

■ 87, 31.634,
179.563

■ 88, 24.229,

180.621

■ 90, 16.281,
181.619

■ 91, 7.936, 182.590

■ 93, 0.676, 2.556

■ 95, 7.654, 0.191

Harmonies

Complementary

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



84, 53.171, 174.313



52, 74.716, 19.897

Rectangle

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



84, 53.171, 174.313



84, 53.171, 224.313



84, 53.171, 354.313



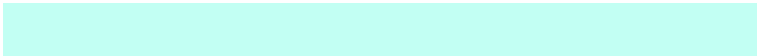
84, 53.171, 44.313

Sweetspot

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



84, 53.171, 174.312



96, 21.515, 181.138



83, 100.332, 134.367



51, 14.663, 180.778



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, 53.171, 174.312



90, 61.314, 171.505



69, 40.853, 247.183



48, 4.879, 182.566



66, 47.984, 170.996



19, 19.808, 174.050

Inverse Universe

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



52, 74.716, 19.897



54, 90.904, 28.052



60, 71.711, 48.675



46, 5.067, 4.166



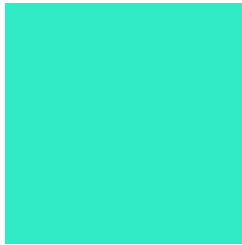
38, 71.862, 29.456



7, 27.909, 14.495

Previews

White Background



This preview shows how the CIELCh color 84, 53.171, 174.313 looks on a white background.

Color Contrast Check

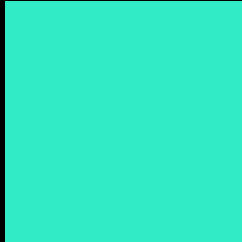
Large Text (above 18pt) WCAG AA × Fail

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, 53.171, 174.313 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

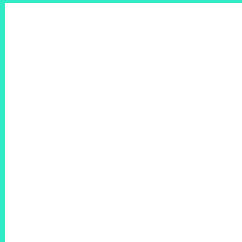
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 53.171, 174.313

Background



This preview shows how black text looks on a background with the CIELCh color 84, 53.171, 174.313.

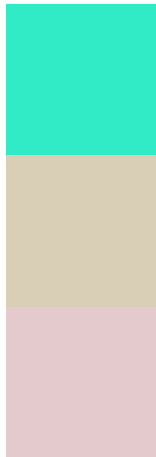


This preview shows how white text looks on a background with the CIELCh color 84, 53.171, 174.313.

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, 53.171, 174.313

Protanopia
83, 13.177, 92.193

Deuteranopia
83, 10.234, 8.316

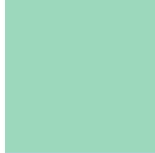


Tritanopia
84, 38.915, 212.144

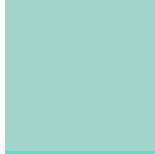
Trichromacy



Original Color
84, 53.171, 174.313



Protanomaly
82, 26.663, 162.375



Deuteranomaly
82, 18.432, 179.569

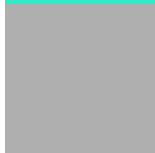


Tritanomaly
84, 42.336, 195.189

Monochromacy



Original Color
84, 53.171, 174.313



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 24.601, 179.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 53.171, 174.313 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(49, 235, 198)` looks like.

```
.text, #text, p{  
    color:rgb(49, 235, 198)  
}
```

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(49, 235, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 235, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 53.171, 174.313 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(49, 235, 198) }
```

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

```
.border{ border-color:rgb(49, 235, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 235, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 235, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 235, 198);  
box-shadow:4px 4px 4px 4px rgb(49, 235,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 53.171, 174.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 235, 198) }
```

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

```
.background{ background-color: rgb(49, 235,  
198) }
```

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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