

Converting Colors

CIELCh(84, 44.303, 196.233)

Have a look what the booklet for
CIELCh(84, 44.303, 196.233)
contains.

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Color

CIELCh(84, 44.404, 195.831)

Conversions

Conversions Part 1

Format	Color
Hex	32E8E7
RGB	50, 232, 231
RGB Percent	20%, 91%, 91%
CMY	0.8049, 0.0907, 0.0947
CMYK	0.79, 0.00, 0.00, 0.09
HSL	180°, 80%, 55%
HSV	180°, 79%, 91%
XYZ	44.5225, 64.0658, 85.5168
YIQ	177.4680, -108.1510, -38.8950

Conversions

Conversions Part 2

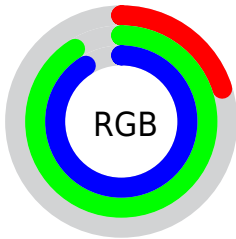
Format	Color
RYB	50, 141, 232
Decimal	3336423
CIELab	84.00, -42.72, -12.11
CIElCh	84, 44.404, 195.831
Yxy	64.0658, 0.2294, 0.3301
Android (android.graphics.Color)	4281526503 (0xFF32E8E7)
YUV	177.4680, 26.3913, -111.7894
Hunter-Lab	80.0411, -40.7820, -7.3173

Details

The CIELCh color **84, 44.404, 195.831** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **51, 80.907, 33.267**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.655, 197.170**, and **65, 37.948, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **84, 45.990, 195.670**, and if you desaturate by 10%, it is **84, 41.830, 196.042**.

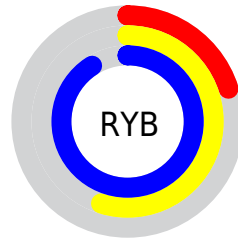
Distribution



Red (20%)

Green (91%)

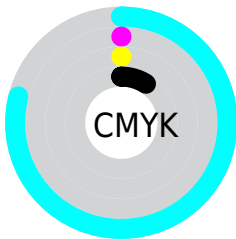
Blue (91%)



Red (20%)

Yellow (55%)

Blue (91%)

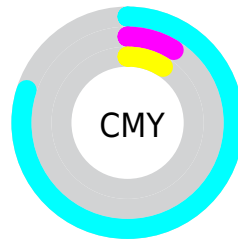


Cyan (79%)

Magenta (0%)

Yellow (0%)

Black (9%)



Cyan (80%)

Magenta (9%)


Yellow (9%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 44.404, 195.831 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, 44.404, 195.831 by changing the saturation by 10% instead.


 84, 44.404,
195.831

 84, 44.404,
195.831


 100, 44.404,
195.831


 74, 44.404,
195.831

 64, 44.404,
195.831

 54, 44.404,
195.831

 44, 44.404,
195.831

 34, 44.404,
195.831

 24, 44.404,
195.831

 14, 44.404,

195.831

■ 4, 44.404, 195.831

■ 0, 44.404, 195.831

■ 84, 44.404,
195.831

■ 84, 44.404,
195.831

■ 84, 45.990,
195.670

■ 84, 41.830,
196.042

■ 84, 46.742,
195.551

■ 85, 38.226,
196.311

■ 84, 46.823,
195.536

■ 86, 33.609,
196.640

■ 87, 28.052,
197.029

■ 88, 21.662,

197.475

■ 89, 14.567,
197.977

■ 91, 6.902, 198.556

■ 92, 1.203, 18.521

■ 94, 8.370, 19.399

Harmonies

Complementary

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



84, 44.404, 195.831



51, 80.907, 33.267

Rectangle

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



84, 44.404, 195.831



84, 44.404, 245.831



84, 44.404, 15.831



84, 44.404, 65.831

Sweetspot

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



84, 44.403, 195.830



96, 19.992, 197.690



81, 102.287, 137.032



51, 13.558, 197.515



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, 44.403, 195.830



91, 49.982, 195.596



58, 52.258, 273.321



47, 4.539, 198.498



66, 38.498, 195.550



18, 16.145, 195.678

Inverse Universe

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



51, 80.907, 33.267



54, 101.276, 38.616



66, 66.235, 63.573



45, 4.816, 19.491



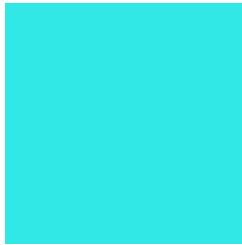
37, 79.738, 39.748



6, 27.086, 21.532

Previews

White Background



This preview shows how the CIE LCh color 84, 44.404, 195.831 looks on a white background.

Color Contrast Check

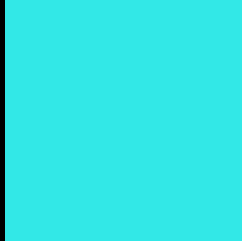
Large Text (above 18pt) WCAG AA × Fail

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, 44.404, 195.831 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

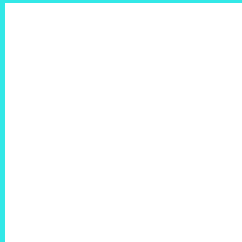
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 44.404, 195.831

Background



This preview shows how black text looks on a background with the CIELCh color 84, 44.404, 195.831.

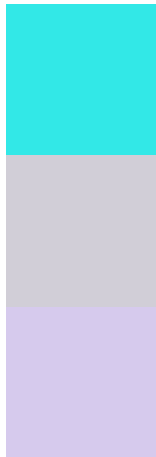


This preview shows how white text looks on a background with the CIELCh color 84, 44.404, 195.831.

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, 44.404, 195.831

Protanopia

83, 4.898, 303.262

Deuteranopia

83, 19.050, 304.248



Tritanopia
84, 41.015, 211.228

Trichromacy



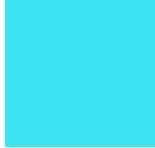
Original Color
84, 44.404, 195.831



Protanomaly
82, 20.969, 206.789



Deuteranomaly
82, 21.611, 231.203

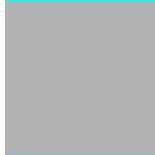


Tritanomaly
84, 41.915, 205.558

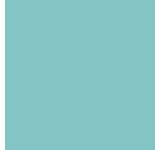
Monochromacy



Original Color
84, 44.404, 195.831



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 21.838, 197.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 44.404, 195.831 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(50, 232, 231)` looks like.

```
.text, #text, p{  
    color:rgb(50, 232, 231)  
}
```

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(50, 232, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 232, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 44.404, 195.831 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(50, 232, 231) }
```

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

```
.border{ border-color:rgb(50, 232, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 232, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 232, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 232, 231);  
box-shadow:4px 4px 4px 4px rgb(50, 232,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 44.404, 195.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 232, 231) }
```

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

```
.background{ background-color: rgb(50, 232,  
231) }
```

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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