

Converting Colors

CIELCh(84, 45.476, 195.206)

Have a look what the booklet for
CIELCh(84, 45.476, 195.206)
contains.

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Color

CIELCh(84, 45.416, 195.104)

Conversions

Conversions Part 1

Format	Color
Hex	28E8E6
RGB	40, 232, 230
RGB Percent	16%, 91%, 90%
CMY	0.8441, 0.0890, 0.0968
CMYK	0.83, 0.00, 0.01, 0.09
HSL	179°, 81%, 53%
HSV	179°, 83%, 91%
XYZ	44.1359, 64.0658, 85.1291
YIQ	174.3640, -113.7900, -41.3260

Conversions

Conversions Part 2

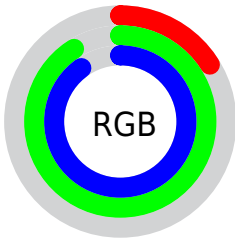
Format	Color
RYB	40, 137, 232
Decimal	2681062
CIELab	84.00, -43.85, -11.83
CIELCh	84, 45.416, 195.104
Yxy	64.0658, 0.2283, 0.3314
Android (android.graphics.Color)	4280871142 (0xFF28E8E6)
YUV	174.3640, 27.4285, -117.8372
Hunter-Lab	80.0411, -41.6442, -7.0301

Details

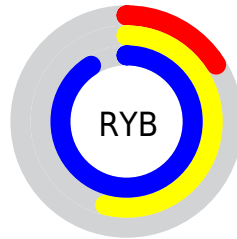
The CIELCh color **84, 45.416, 195.104** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **51, 85.046, 34.596**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.689, 197.109**, and **65, 38.103, 195.521** is the 20% darker color. If you saturate the color by 10%, you get **84, 46.630, 194.902**, and if you desaturate by 10%, it is **84, 43.254, 195.343**.

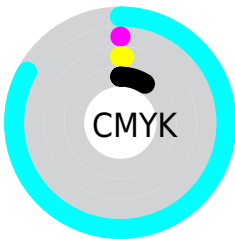
Distribution



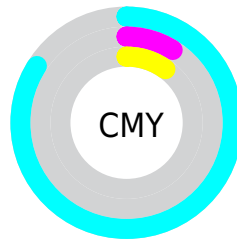
- Red (16%)
- Green (91%)
- Blue (90%)



- Red (16%)
- Yellow (54%)
- Blue (91%)



- Cyan (83%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (84%)
- Magenta (9%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 45.416, 195.104 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, 45.416, 195.104 by changing the saturation by 10% instead.


 84, 45.416,
195.104


 84, 45.416,
195.104


 100, 45.416,
195.104


 74, 45.416,
195.104

 64, 45.416,
195.104

 54, 45.416,
195.104

 44, 45.416,
195.104

 34, 45.416,
195.104

 24, 45.416,
195.104

 14, 45.416,

195.104

■ 4, 45.416, 195.104

■ 0, 45.416, 195.104

■ 84, 45.416,
195.104

■ 84, 45.416,
195.104

■ 84, 46.630,
194.902

■ 84, 43.254,
195.343

■ 84, 47.069,
194.776

■ 85, 40.070,
195.630

■ 85, 35.857,
195.969

■ 86, 30.668,
196.362

■ 87, 24.597,

196.808

■ 89, 17.766,
197.306

■ 90, 10.311,
197.862

■ 92, 2.364, 198.629

■ 93, 5.950, 18.860

Harmonies

Complementary

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



84, 45.416, 195.104



51, 85.046, 34.596

Rectangle

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



84, 45.416, 195.104



84, 45.416, 245.104



84, 45.416, 15.104



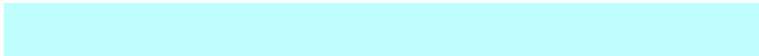
84, 45.416, 65.104

Sweetspot

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



84, 45.415, 195.103



96, 20.771, 197.190



81, 105.357, 136.694



51, 13.989, 197.012



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, 45.415, 195.103



91, 50.452, 194.785



57, 55.048, 275.222



48, 4.623, 198.072



67, 39.049, 194.801



19, 16.702, 195.032

Inverse Universe

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



51, 85.046, 34.596



53, 103.657, 39.513



65, 69.891, 62.812



46, 4.904, 19.093



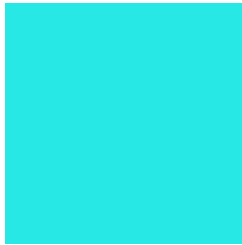
38, 80.373, 39.558



7, 28.489, 22.294

Previews

White Background



This preview shows how the CIE LCh color 84, 45.416, 195.104 looks on a white background.

Color Contrast Check

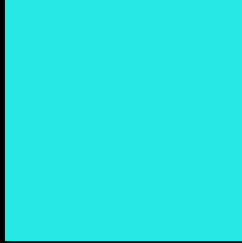
Large Text (above 18pt) WCAG AA × Fail

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, 45.416, 195.104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

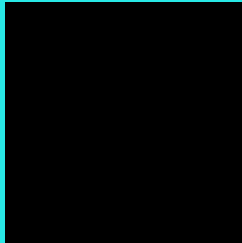
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

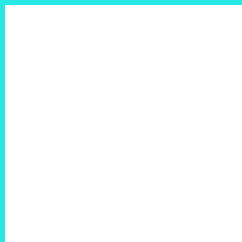
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 45.416, 195.104

Background



This preview shows how black text looks on a background with the CIELCh color 84, 45.416, 195.104.

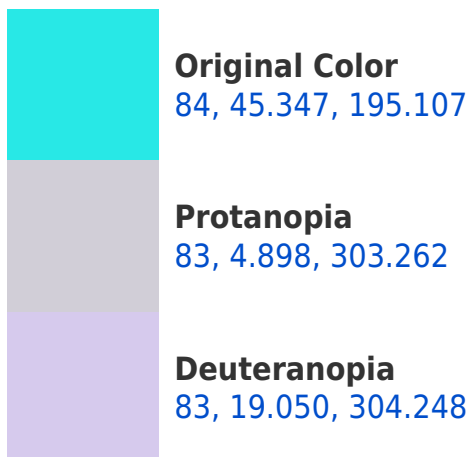


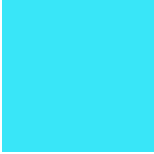
This preview shows how white text looks on a background with the CIELCh color 84, 45.416, 195.104.

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





Tritanopia
84, 41.893, 210.102

Trichromacy



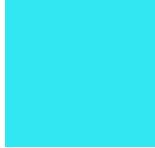
Original Color
84, 45.347, 195.107



Protanomaly
82, 22.366, 204.753



Deuteranomaly
82, 22.316, 230.004

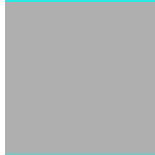


Tritanomaly
84, 42.895, 204.568

Monochromacy



Original Color
84, 45.347, 195.107



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 23.054, 196.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 45.416, 195.104 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(40, 232, 230)` looks like.

```
.text, #text, p{  
    color:rgb(40, 232, 230)  
}
```

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(40, 232, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 232, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 45.416, 195.104 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(40, 232, 230) }
```

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

```
.border{ border-color:rgb(40, 232, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 232, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 232, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 232, 230);  
box-shadow:4px 4px 4px 4px rgb(40, 232,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 45.416, 195.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 232, 230) }
```

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

```
.background{ background-color: rgb(40, 232,  
230) }
```

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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