

Converting Colors

CIELCh(84, 41.627, 197.436)

Have a look what the booklet for
CIELCh(84, 41.627, 197.436)
contains.

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Color

CIELCh(84, 41.689, 197.424)

Conversions

Conversions Part 1

Format	Color
Hex	46E7E8
RGB	70, 231, 232
RGB Percent	27%, 91%, 91%
CMY	0.7236, 0.0956, 0.0917
CMYK	0.70, 0.00, 0.00, 0.09
HSL	180°, 78%, 59%
HSV	180°, 70%, 91%
XYZ	45.5428, 64.0658, 86.0322
YIQ	182.9750, -96.2770, -33.8210

Conversions

Conversions Part 2

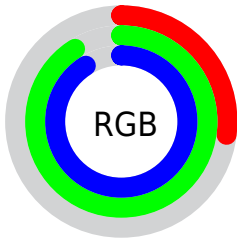
Format	Color
RYB	70, 151, 232
Decimal	4646888
CIELab	84.00, -39.78, -12.48
CIELCh	84, 41.689, 197.424
Yxy	64.0658, 0.2328, 0.3275
Android (android.graphics.Color)	4282836968 (0xFF46E7E8)
YUV	182.9750, 24.1693, -99.0791
Hunter-Lab	80.0411, -38.5068, -7.6991

Details

The CIELCh color **84, 41.689, 197.424** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **54, 71.305, 30.723**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.243, 197.314**, and **65, 37.640, 197.263** is the 20% darker color. If you saturate the color by 10%, you get **84, 44.094, 197.333**, and if you desaturate by 10%, it is **85, 38.254, 197.588**.

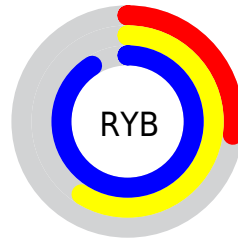
Distribution



Red (27%)

Green (91%)

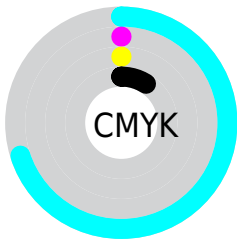
Blue (91%)



Red (27%)

Yellow (59%)

Blue (91%)

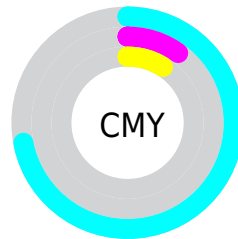


Cyan (70%)

Magenta (0%)

Yellow (0%)

Black (9%)



Cyan (72%)

Magenta (10%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 41.689, 197.424 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, 41.689, 197.424 by changing the saturation by 10% instead.


 84, 41.689,
197.424

 84, 41.689,
197.424


 100, 41.689,
197.424


 74, 41.689,
197.424

 64, 41.689,
197.424

 54, 41.689,
197.424

 44, 41.689,
197.424

 34, 41.689,
197.424

 24, 41.689,
197.424

 14, 41.689,

197.424

■ 4, 41.689, 197.424

■ 0, 41.689, 197.424

■ 84, 41.689,
197.424

■ 84, 41.689,
197.424

■ 84, 44.094,
197.333

■ 85, 38.254,
197.588

■ 83, 45.522,
197.317

■ 85, 33.805,
197.830

■ 83, 46.160,
197.361

■ 86, 28.407,
198.145

■ 83, 46.181,
197.364

■ 87, 22.164,
198.528

■ 89, 15.201,

198.977

 90, 7.653, 199.503

 92, 0.351, 18.190

 94, 8.404, 20.435

 94, 8.353, 20.939

Harmonies

Complementary

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



84, 41.689, 197.424



54, 71.305, 30.723

Rectangle

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



84, 41.689, 197.424



84, 41.689, 247.424



84, 41.689, 17.424



84, 41.689, 67.424

Sweetspot

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



84, 41.689, 197.423



96, 17.543, 198.904



81, 94.853, 138.106



51, 11.762, 198.775



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, 41.689, 197.423



91, 48.131, 197.319



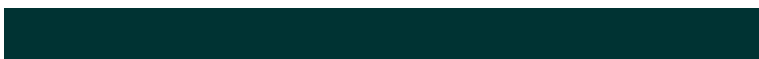
61, 47.865, 271.532



47, 4.508, 199.510



66, 38.007, 197.347



18, 15.971, 197.198

Inverse Universe

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



59, 92.791, 327.968



62, 109.948, 328.298



69, 58.272, 66.473



45, 8.271, 325.107



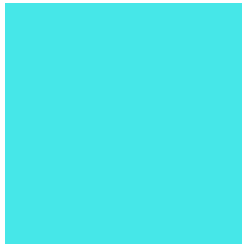
42, 88.000, 328.480



8, 36.956, 328.441

Previews

White Background



This preview shows how the CIE LCh color 84, 41.689, 197.424 looks on a white background.

Color Contrast Check

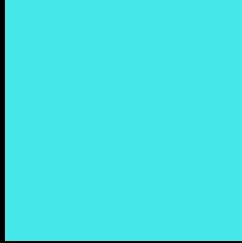
Large Text (above 18pt) WCAG AA × Fail

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, 41.689, 197.424 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, 41.689, 197.424

Background



This preview shows how black text looks on a background with the CIELCh color 84, 41.689, 197.424.

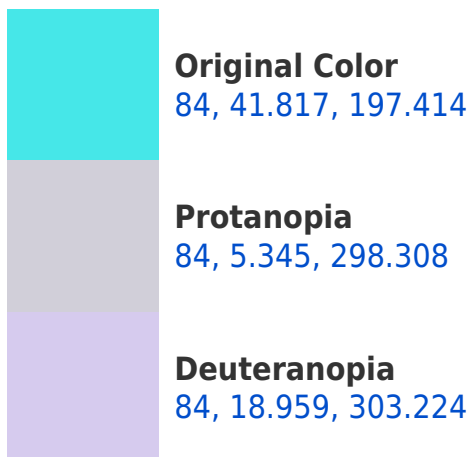


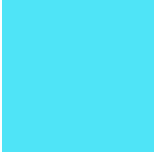
This preview shows how white text looks on a background with the CIELCh color 84, 41.689, 197.424.

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, 39.049, 212.083

Trichromacy



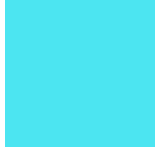
Original Color
84, 41.817, 197.414



Protanomaly
83, 18.948, 207.860



Deuteranomaly
83, 19.996, 236.257

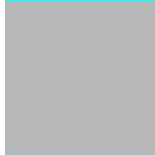


Tritanomaly
84, 39.753, 206.168

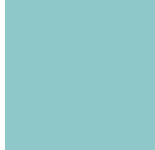
Monochromacy



Original Color
84, 41.817, 197.414



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 19.423, 199.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 41.689, 197.424 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(70, 231, 232)` looks like.

```
.text, #text, p{  
    color:rgb(70, 231, 232)  
}
```

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(70, 231, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 231, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 41.689, 197.424 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(70, 231, 232) }
```

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

```
.border{ border-color:rgb(70, 231, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 231, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 231, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 231, 232);  
box-shadow:4px 4px 4px 4px rgb(70, 231,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 41.689, 197.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 231, 232) }
```

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

```
.background{ background-color: rgb(70, 231,  
232) }
```

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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