

Converting Colors

CIELCh(89, 37.175, 184.730)

Have a look what the booklet for
CIELCh(89, 37.175, 184.730)
contains.

CIELCh(89, 37.088, 184.754)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 37.088, 184.754)

Conversions

Conversions Part 1

Format	Color
Hex	7DF3E4
RGB	125, 243, 228
RGB Percent	49%, 95%, 89%
CMY	0.5092, 0.0465, 0.1053
CMYK	0.49, 0.00, 0.06, 0.05
HSL	172°, 83%, 72%
HSV	172°, 49%, 95%
XYZ	54.5929, 74.1641, 84.9356
YIQ	206.0080, -65.5130, -29.6810

Conversions

Conversions Part 2

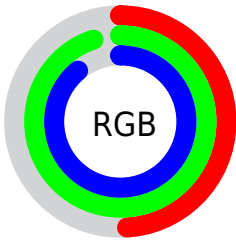
Format	Color
R _Y B	125, 188, 243
Decimal	8254436
CIE Lab	89.00, -36.96, -3.07
CIE LCh	89, 37.088, 184.754
Yxy	74.1641, 0.2555, 0.3471
Android (android.graphics.Color)	4286444516 (0xFF7DF3E4)
YUV	206.0080, 10.8421, -71.0440
Hunter-Lab	86.1186, -37.5517, 1.8075

Details

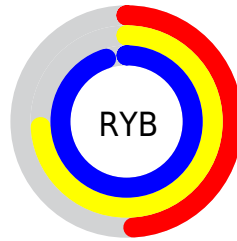
The CIELCh color **89, 37.088, 184.754** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **66, 48.335, 15.513**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.846, 198.009**, and **69, 36.917, 185.261** is the 20% darker color. If you saturate the color by 10%, you get **88, 42.623, 183.758**, and if you desaturate by 10%, it is **90, 30.655, 185.691**.

Distribution



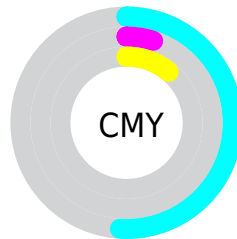
- Red (49%)
- Green (95%)
- Blue (89%)



- Red (49%)
- Yellow (74%)
- Blue (95%)



- Cyan (49%)
- Magenta (0%)
- Yellow (6%)
- Black (5%)





- Cyan (51%)
- Magenta (5%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 37.088, 184.754 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 89, 37.088, 184.754 by changing the saturation by 10% instead.


 89, 37.088,
184.754


 89, 37.088,
184.754


 100, 37.088,
184.754


 79, 37.088,
184.754

 69, 37.088,
184.754

 59, 37.088,
184.754

 49, 37.088,
184.754

 39, 37.088,
184.754


 29, 37.088,
184.754


 19, 37.088,


184.754


 9, 37.088, 184.754

 0, 37.088, 184.754


 89, 37.088,
184.754


 89, 37.088,
184.754


 88, 42.623,
183.758

 90, 30.655,
185.691

 87, 47.159,
182.689

 91, 23.455,
186.589

 87, 50.651,
181.525

 93, 15.635,
187.462

 87, 53.126,
180.246

 94, 7.342, 188.341

 87, 54.730,

 96, 1.289, 8.596

178.846

97, 4.586, 356.330

86, 54.935,
178.638

97, 5.410, 340.837

97, 6.521, 330.046

97, 7.386, 324.657

Harmonies

Complementary

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



89, 37.088, 184.754



66, 48.335, 15.513

Rectangle

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



89, 37.088, 184.754



89, 37.088, 234.754



89, 37.088, 4.754



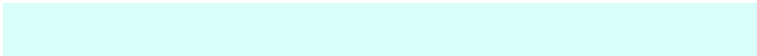
89, 37.088, 54.754

Sweetspot

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



89, 37.088, 184.752



97, 13.255, 187.764



88, 70.406, 137.604



52, 9.002, 187.581



0, 0.000, 0.000



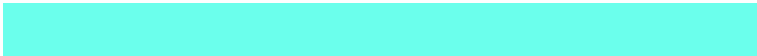
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 37.088, 184.752



92, 43.987, 183.797



77, 30.866, 247.598



50, 4.910, 188.253



68, 44.844, 178.893



21, 19.550, 180.955

Inverse Universe

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



66, 48.335, 15.513



64, 60.727, 17.918



75, 40.349, 55.741



48, 5.141, 9.720



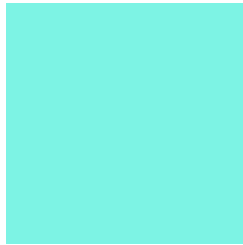
39, 76.993, 34.379



8, 30.305, 19.838

Previews

White Background



This preview shows how the CIE LCh color 89, 37.088, 184.754 looks on a white background.

Color Contrast Check

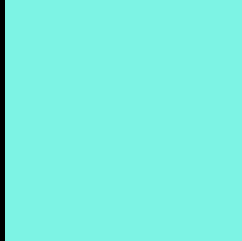
Large Text (above 18pt) WCAG AA × Fail

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 89, 37.088, 184.754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

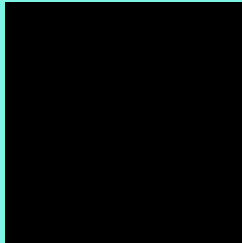
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 37.088, 184.754

Background



This preview shows how black text looks on a background with the CIELCh color 89, 37.088, 184.754.




This preview shows how white text looks on a background with the CIELCh color 89, 37.088, 184.754.

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
89, 28.702, 217.022

Trichromacy



Original Color
89, 37.088, 184.754



Protanomaly
88, 14.111, 178.976



Deuteranomaly
88, 10.320, 216.557

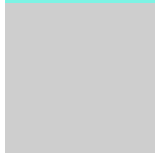


Tritanomaly
89, 30.534, 203.425

Monochromacy



Original Color
89, 37.088, 184.754



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 15.252, 186.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 37.088, 184.754 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(125, 243, 228)` looks like.

```
.text, #text, p{  
    color:rgb(125, 243, 228)  
}
```

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(125, 243, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 243, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 37.088, 184.754 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(125, 243, 228) }
```

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

```
.border{ border-color:rgb(125, 243, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 243, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 243, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 243, 228);  
box-shadow:4px 4px 4px 4px rgb(125, 243,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 37.088, 184.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 243, 228) }
```

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

```
.background{ background-color: rgb(125,  
243, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor