

# Converting Colors

CIELCh(88, 37.887, 164.458)

Have a look what the booklet for  
CIELCh(88, 37.887, 164.458)  
contains.

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**Color**

**CIELCh(88, 37.904, 164.455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91EFC8
RGB	145, 239, 200
RGB Percent	57%, 94%, 78%
CMY	0.4306, 0.0620, 0.2149
CMYK	0.39, 0.00, 0.16, 0.06
HSL	155°, 75%, 75%
HSV	155°, 39%, 94%
XYZ	53.0830, 72.0653, 65.8724
YIQ	206.4480, -43.5050, -32.0570

# Conversions

## Conversions Part 2

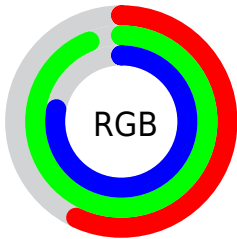
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 204, 239
Decimal	9564104
CIELab	88.00, -36.52, 10.16
CIELCh	88, 37.904, 164.455
Yxy	72.0653, 0.2779, 0.3773
Android (android.graphics.Color)	4287754184 (0xFF91EFC8)
YUV	206.4480, -3.1789, -53.8899
Hunter-Lab	84.8913, -36.9426, 13.4171

# Details

The CIELCh color **88, 37.904, 164.455** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **71, 40.755, 352.853**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 17.489, 198.347**, and **68, 38.229, 164.231** is the 20% darker color. If you saturate the color by 10%, you get **87, 46.603, 163.118**, and if you desaturate by 10%, it is **89, 28.665, 165.649**.

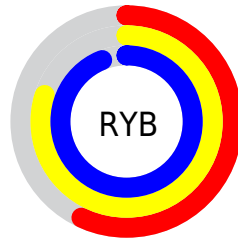
# Distribution



Red (57%)

Green (94%)

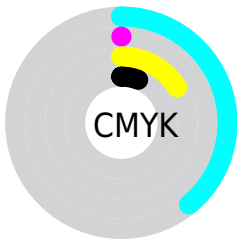
Blue (78%)



Red (57%)

Yellow (80%)

Blue (94%)

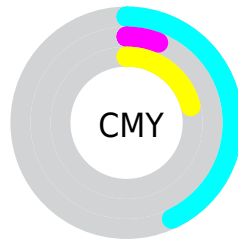


Cyan (39%)

Magenta (0%)

Yellow (16%)

Black (6%)



Cyan (43%)

Magenta (6%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 37.904, 164.455 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 88, 37.904, 164.455 by changing the saturation by 10% instead.





 88, 37.904,  
164.455


 88, 37.904,  
164.455


 100, 37.904,  
164.455


 78, 37.904,  
164.455

 68, 37.904,  
164.455

 58, 37.904,  
164.455

 48, 37.904,  
164.455

 38, 37.904,  
164.455


 28, 37.904,  
164.455

 18, 37.904,


164.455

 8, 37.904, 164.455


 0, 37.904, 164.455


 88, 37.904,  
164.455


 88, 37.904,  
164.455

 87, 46.603,  
163.118

 89, 28.665,  
165.649

 86, 54.593,  
161.613

 91, 19.050,  
166.728

 85, 61.734,  
159.916

 93, 9.217, 167.727

 85, 67.936,  
158.008

 95, 0.701, 347.848

 96, 7.820, 335.810

 84, 73.189,

155.884

96, 9.850, 324.753

84, 77.630,  
153.598

84, 77.929,  
153.441

# Harmonies

# Complementary

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



88, 37.904, 164.455



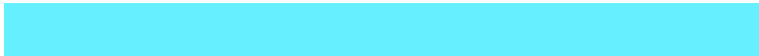
71, 40.755, 352.853

# Rectangle

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



88, 37.904, 164.455



88, 37.904, 214.455



88, 37.904, 344.455



88, 37.904, 34.455

# Sweetspot

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



88, 37.905, 164.454



98, 12.517, 167.457



89, 52.176, 130.088



52, 8.299, 167.328



0, 0.000, 0.000



53, 0.007, 296.813



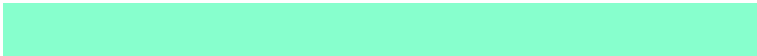


# Same Dimension

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



88, 37.905, 164.454



92, 47.019, 163.417



87, 26.858, 206.569



49, 5.640, 167.709



66, 63.404, 153.861



20, 25.860, 157.607



# Inverse Universe

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



71, 40.755, 352.853



71, 51.173, 354.095



72, 35.978, 29.319



47, 5.743, 349.309



39, 66.113, 10.190

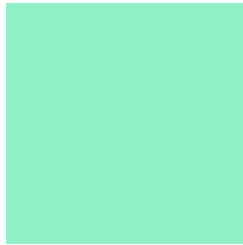


8, 28.890, 2.303



# Previews

## White Background



This preview shows how the CIELCh color 88, 37.904, 164.455 looks on a white background.

## Color Contrast Check

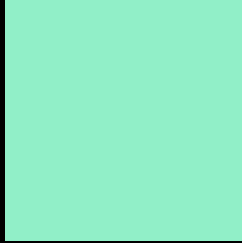
Large Text (above 18pt) WCAG AA × Fail

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 88, 37.904, 164.455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

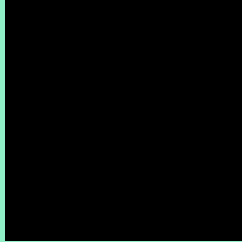
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 88, 37.904, 164.455

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 37.904, 164.455.

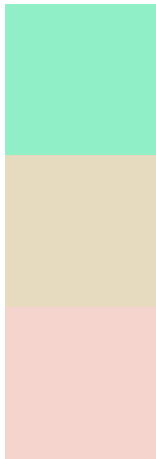


This preview shows how white text looks on a background with the CIELCh color 88, 37.904, 164.455.

# 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**  
88, 37.904, 164.455

**Protanopia**  
88, 15.647, 93.376

**Deuteranopia**  
88, 13.143, 33.938



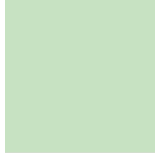


**Tritanopia**  
88, 24.809, 221.817

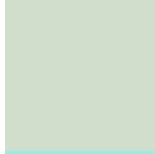
# Trichromacy



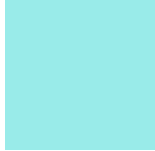
**Original Color**  
88, 37.904, 164.455



**Protanomaly**  
87, 19.469, 139.404



**Deuteranomaly**  
87, 10.560, 136.102

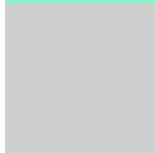


**Tritanomaly**  
88, 26.224, 195.387

# Monochromacy



**Original Color**  
88, 37.904, 164.455



**Achromatopsia**  
83, 0.010, 296.813



**Achromatomaly**  
85, 14.262, 167.311

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 37.904, 164.455 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(145, 239, 200)` looks like.

```
.text, #text, p{  
    color:rgb(145, 239, 200)  
}
```

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(145, 239, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 239, 200) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 37.904, 164.455 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(145, 239, 200) }
```

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

```
.border{ border-color:rgb(145, 239, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 239, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 239, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 239, 200);  
box-shadow:4px 4px 4px 4px rgb(145, 239,  
200) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 37.904, 164.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 239, 200) }
```

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

```
.background{ background-color: rgb(145,  
239, 200) }
```

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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