

# Converting Colors

CIELCh(88, 32.065, 204.963)

Have a look what the booklet for  
CIELCh(88, 32.065, 204.963)  
contains.

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**Color**

**CIElCh(88, 32.065, 204.963)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81EDF5
RGB	129, 237, 245
RGB Percent	51%, 93%, 96%
CMY	0.4928, 0.0693, 0.0379
CMYK	0.47, 0.03, 0.00, 0.04
HSL	184°, 86%, 73%
HSV	184°, 47%, 96%
XYZ	56.0160, 72.0653, 97.6069
YIQ	205.6200, -66.9360, -20.4080

# Conversions

## Conversions Part 2

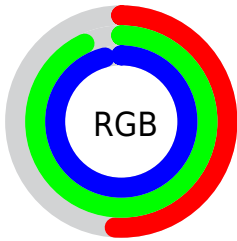
Format	Color
<a href="#">RYB</a>	<a href="#">129, 185, 245</a>
Decimal	<a href="#">8515061</a>
CIELab	<a href="#">88.00, -29.07, -13.53</a>
CIElCh	<a href="#">88, 32.065, 204.963</a>
Yxy	<a href="#">72.0653, 0.2482, 0.3193</a>
Android (android.graphics.Color)	<a href="#">4286705141</a> ( <a href="#">0xFF81EDF5</a> )
YUV	<a href="#">205.6200, 19.4143, -67.1957</a>
Hunter-Lab	<a href="#">84.8913, -30.7755, -8.7470</a>

# Details

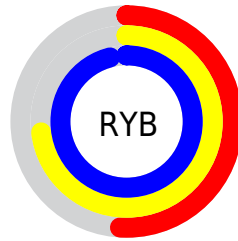
The CIELCh color **88, 32.065, 204.963** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **69, 46.037, 29.267**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.687, 198.082**, and **68, 32.097, 204.952** is the 20% darker color. If you saturate the color by 10%, you get **87, 36.600, 205.180**, and if you desaturate by 10%, it is **89, 26.591, 204.895**.

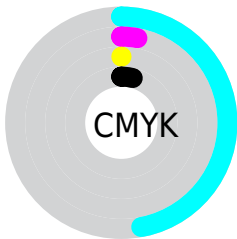
# Distribution



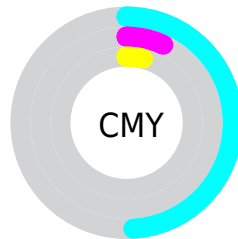
- Red (51%)
- Green (93%)
- Blue (96%)



- Red (51%)
- Yellow (73%)
- Blue (96%)



- Cyan (47%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



- Cyan (49%)
- Magenta (7%)
- Yellow (4%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 32.065, 204.963 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, 32.065, 204.963 by changing the saturation by 10% instead.





 88, 32.065,  
204.963


 88, 32.065,  
204.963


 100, 32.065,  
204.963


 78, 32.065,  
204.963

 68, 32.065,  
204.963

 58, 32.065,  
204.963

 48, 32.065,  
204.963

 38, 32.065,  
204.963


 28, 32.065,  
204.963


 18, 32.065,


204.963


 8, 32.065, 204.963


 0, 32.065, 204.963


 88, 32.065,  
204.963


 88, 32.065,  
204.963


 87, 36.600,  
205.180

 89, 26.591,  
204.895

 86, 40.109,  
205.579

 91, 20.295,  
204.960

 85, 42.555,  
206.180

 93, 13.309,  
205.139

 84, 43.968,  
207.007

 95, 5.767, 205.450

 83, 44.470,

 97, 2.208, 25.359

208.070

98, 2.867, 41.782

83, 44.526,  
208.382

98, 2.823, 63.018

99, 3.150, 82.236

99, 3.752, 96.548

# Harmonies

# Complementary

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



88, 32.065, 204.963



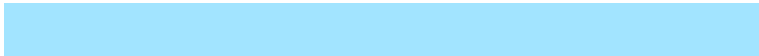
69, 46.037, 29.267

# Rectangle

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



88, 32.065, 204.963



88, 32.065, 254.963



88, 32.065, 24.963



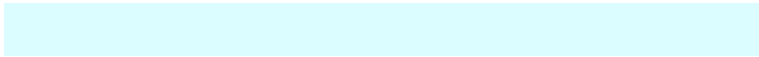
88, 32.065, 74.963

# Sweetspot

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



88, 32.065, 204.961



97, 11.238, 205.222



88, 68.857, 142.348



51, 7.708, 205.165



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, 32.065, 204.961



90, 37.621, 205.176



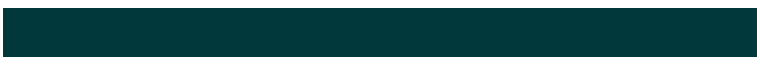
72, 37.821, 271.186



50, 4.470, 205.364



65, 36.238, 208.160



20, 16.271, 206.468



# Inverse Universe

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



70, 68.404, 329.024



69, 82.911, 329.529



82, 40.963, 75.943



48, 8.356, 326.869



43, 86.422, 331.183

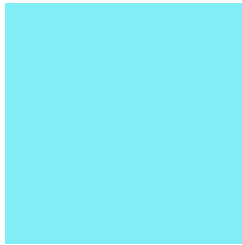


10, 38.701, 330.767



# Previews

## White Background



This preview shows how the CIE LCh color 88, 32.065, 204.963 looks on a white background.

## Color Contrast Check

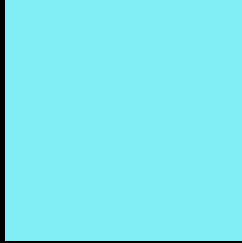
Large Text (above 18pt) WCAG AA × Fail

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, 32.065, 204.963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

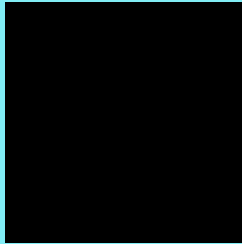
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 88, 32.065, 204.963**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 32.065, 204.963.

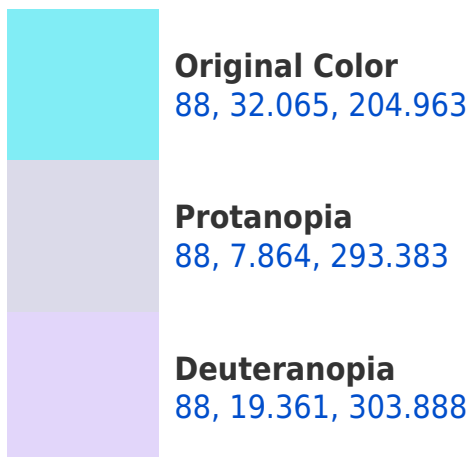


This preview shows how white text looks on a background with the CIELCh color 88, 32.065, 204.963.

# 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**  
88, 31.417, 216.189

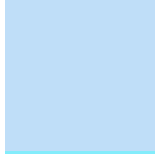
# Trichromacy



**Original Color**  
88, 32.065, 204.963



**Protanomaly**  
87, 14.260, 224.900



**Deuteranomaly**  
87, 16.713, 253.820

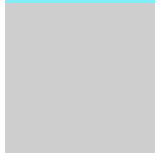


**Tritanomaly**  
88, 31.419, 212.113

# Monochromacy



**Original Color**  
88, 32.065, 204.963



**Achromatopsia**  
83, 0.010, 296.813



**Achromatomaly**  
84, 13.358, 205.357

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 32.065, 204.963 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(129, 237, 245)` looks like.

```
.text, #text, p{  
    color:rgb(129, 237, 245)  
}
```

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(129, 237, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 237, 245) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 32.065, 204.963 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(129, 237, 245) }
```

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

```
.border{ border-color:rgb(129, 237, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 237, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 237, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 237, 245);  
box-shadow:4px 4px 4px 4px rgb(129, 237,  
245) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 32.065, 204.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 237, 245) }
```

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

```
.background{ background-color: rgb(129,  
237, 245) }
```

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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