

# Converting Colors

CIELCh(79, 39.757, 213.066)

Have a look what the booklet for  
CIELCh(79, 39.757, 213.066)  
contains.

<b>CIELCh(79, 39.706, 213.533)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(79, 39.706, 213.533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34D6EB
RGB	52, 214, 235
RGB Percent	20%, 84%, 92%
CMY	0.7948, 0.1601, 0.0777
CMYK	0.78, 0.09, 0.00, 0.08
HSL	187°, 82%, 56%
HSV	187°, 78%, 92%
XYZ	40.5439, 54.9284, 87.1963
YIQ	167.9560, -103.2930, -27.8130

# Conversions

## Conversions Part 2

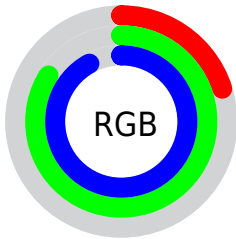
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	52, 138, 235
Decimal	3462891
CIE Lab	79.00, -33.10, -21.93
CIE LCh	79, 39.706, 213.533
Yxy	54.9284, 0.2220, 0.3007
Android (android.graphics.Color)	4281652971 (0xFF34D6EB)
YUV	167.9560, 33.0527, -101.6934
Hunter-Lab	74.1137, -32.0505, -17.8763

# Details

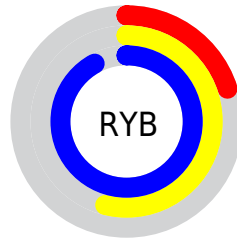
The CIELCh color **79, 39.706, 213.533** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **55, 77.145, 37.754**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.865, 197.158**, and **60, 33.950, 216.526** is the 20% darker color. If you saturate the color by 10%, you get **78, 40.996, 215.127**, and if you desaturate by 10%, it is **80, 37.457, 212.303**.

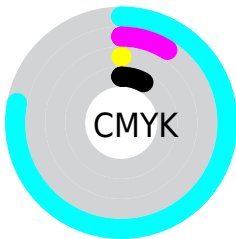
# Distribution



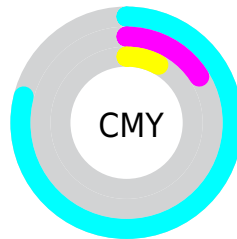
- Red (20%)
- Green (84%)
- Blue (92%)



- Red (20%)
- Yellow (54%)
- Blue (92%)



- Cyan (78%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)




- Cyan (79%)
- Magenta (16%)
- Yellow (8%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 39.706, 213.533 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 79, 39.706, 213.533 by changing the saturation by 10% instead.





 79, 39.706,  
213.533

 79, 39.706,  
213.533


 100, 39.706,  
213.533


 69, 39.706,  
213.533


 99, 39.706,  
213.533

 59, 39.706,  
213.533

 49, 39.706,  
213.533

 39, 39.706,  
213.533

 29, 39.706,  
213.533

 19, 39.706,  
213.533

 9, 39.706, 213.533

0, 39.706, 213.533

79, 39.706,  
213.533

79, 39.706,  
213.533

78, 40.996,  
215.127

80, 37.457,  
212.303

77, 41.463,  
217.110

82, 34.221,  
211.393

77, 41.519,  
217.584

83, 30.031,  
210.754

85, 24.968,  
210.341

87, 19.144,  
210.115

89, 12.679,  
210.046

■ 91, 5.697, 210.138

■ 94, 1.691, 29.780

■ 95, 6.170, 35.574

# Harmonies

# Complementary

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



79, 39.706, 213.533



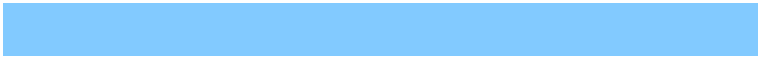
55, 77.145, 37.754

# Rectangle

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



79, 39.706, 213.533



79, 39.706, 263.533



79, 39.706, 33.533



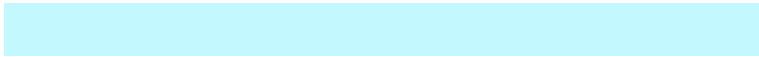
79, 39.706, 83.533

# Sweetspot

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



79, 39.705, 213.532



94, 17.233, 210.064



82, 98.132, 139.290



50, 11.772, 210.101



0, 0.000, 0.000



53, 0.007, 296.813



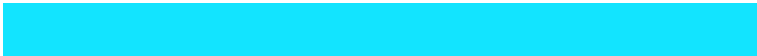


# Same Dimension

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



79, 39.705, 213.532



83, 43.953, 216.205



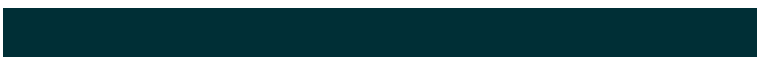
54, 63.769, 284.223



48, 4.148, 210.106



60, 34.171, 217.185



17, 14.803, 213.775



# Inverse Universe

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



57, 92.925, 332.264



59, 104.783, 333.122



72, 66.577, 74.213



46, 7.816, 328.256



42, 81.680, 333.396

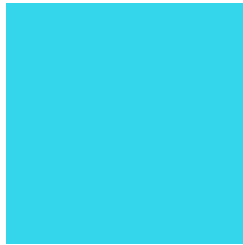


9, 35.438, 332.559



# Previews

## White Background



This preview shows how the CIE LCh color 79, 39.706, 213.533 looks on a white background.

## Color Contrast Check

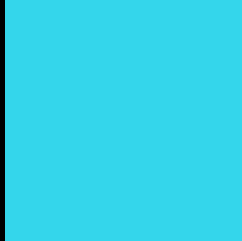
Large Text (above 18pt) WCAG AA × Fail

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 79, 39.706, 213.533 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

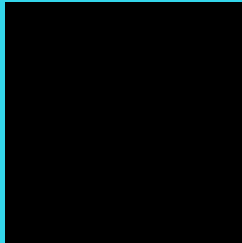
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 79, 39.706, 213.533

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 39.706, 213.533.

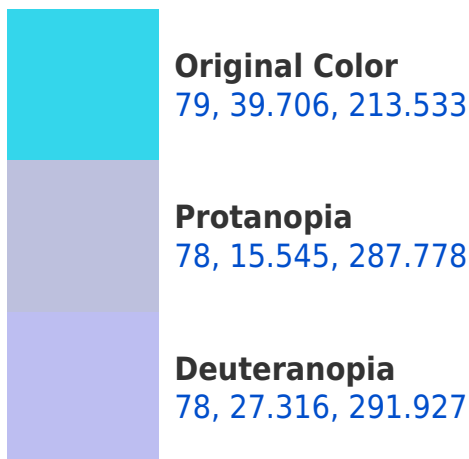


This preview shows how white text looks on a background with the CIELCh color 79, 39.706, 213.533.

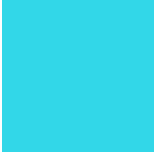
# Color Blindness Simulation

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





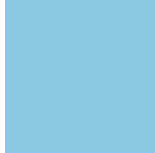


**Tritanopia**  
79, 40.062, 210.093

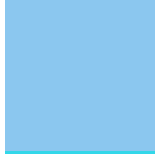
# Trichromacy



**Original Color**  
79, 39.706, 213.533



**Protanomaly**  
77, 23.120, 235.689



**Deuteranomaly**  
78, 27.395, 250.545

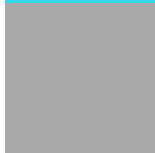


**Tritanomaly**  
79, 39.957, 210.946

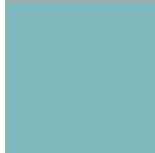
# Monochromacy



**Original Color**  
79, 39.706, 213.533



**Achromatopsia**  
69, 0.009, 296.813



**Achromatomaly**  
72, 19.750, 209.180

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 39.706, 213.533 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(52, 214, 235)` looks like.

```
.text, #text, p{  
    color:rgb(52, 214, 235)  
}
```

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(52, 214, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 214, 235) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 39.706, 213.533 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(52, 214, 235) }
```

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

```
.border{ border-color:rgb(52, 214, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 214, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 214, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 214, 235);  
box-shadow:4px 4px 4px 4px rgb(52, 214,  
235) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 39.706, 213.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 214, 235) }
```

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

```
.background{ background-color: rgb(52, 214,  
235) }
```

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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