

# Converting Colors

CIELCh(78, 28.647, 214.604)

Have a look what the booklet for  
CIELCh(78, 28.647, 214.604)  
contains.

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**Color**

**CIELCh(78, 28.802, 213.889)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71CFDE
RGB	113, 207, 222
RGB Percent	44%, 81%, 87%
CMY	0.5582, 0.1895, 0.1307
CMYK	0.49, 0.07, 0.00, 0.13
HSL	188°, 62%, 66%
HSV	188°, 49%, 87%
XYZ	42.1409, 53.2120, 76.9256
YIQ	180.6040, -60.8390, -15.2630

# Conversions

## Conversions Part 2

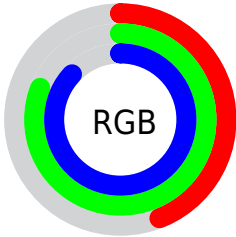
Format	Color
R <sub>YB</sub>	113, 163, 222
Decimal	7458782
CIE Lab	78.00, -23.91, -16.06
CIE LCh	78, 28.802, 213.889
Yxy	53.2120, 0.2446, 0.3089
Android (android.graphics.Color)	4285648862 (0xFF71CFDE)
YUV	180.6040, 20.4082, -59.2887
Hunter-Lab	72.9466, -24.5379, -11.4615

# Details

The CIELCh color **78, 28.802, 213.889** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 42.177, 34.627**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.483, 197.785**, and **58, 28.753, 214.555** is the 20% darker color. If you saturate the color by 10%, you get **76, 32.645, 214.779**, and if you desaturate by 10%, it is **80, 24.140, 213.264**.

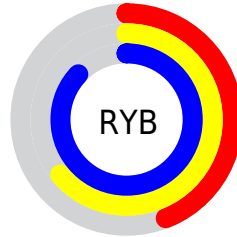
# Distribution



Red (44%)

Green (81%)

Blue (87%)



Red (44%)

Yellow (64%)

Blue (87%)

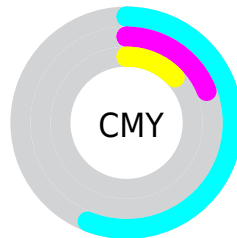


Cyan (49%)

Magenta (7%)

Yellow (0%)

Black (13%)



Cyan (56%)

Magenta (19%)


Yellow (13%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 28.802, 213.889 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 78, 28.802, 213.889 by changing the saturation by 10% instead.




 78, 28.802,  
213.889

 78, 28.802,  
213.889


 100, 28.802,  
213.889


 68, 28.802,  
213.889


 98, 28.802,  
213.889

 58, 28.802,  
213.889

 48, 28.802,  
213.889

 38, 28.802,  
213.889

 28, 28.802,  
213.889

 18, 28.802,  
213.889

 8, 28.802, 213.889

0, 28.802, 213.889

78, 28.802,  
213.889

78, 28.802,  
213.889

76, 32.645,  
214.779

80, 24.140,  
213.264

75, 35.599,  
215.997

82, 18.760,  
212.861

74, 37.640,  
217.600

84, 12.773,  
212.641

72, 38.809,  
219.644

86, 6.292, 212.592

71, 39.282,  
222.128

89, 0.579, 31.474

91, 7.746, 32.525

71, 39.312,  
222.340

93, 10.448, 38.158

■ 93, 10.039, 48.536

■ 94, 9.984, 59.386

# Harmonies

# Complementary

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



78, 28.802, 213.889



63, 42.177, 34.627

# Rectangle

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



78, 28.802, 213.889



78, 28.802, 263.889



78, 28.802, 33.889



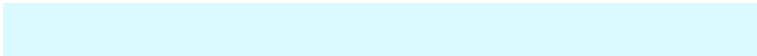
78, 28.802, 83.889

# Sweetspot

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



78, 28.802, 213.887



96, 11.335, 212.598



80, 62.850, 144.058



51, 7.684, 212.617



0, 0.000, 0.000



53, 0.007, 296.813



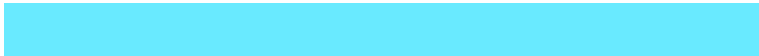


# Same Dimension

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



78, 28.802, 213.887



87, 36.397, 214.810



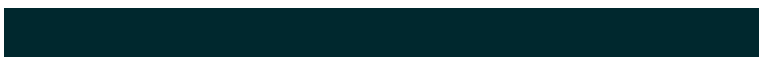
63, 39.670, 277.510



45, 3.857, 212.590



57, 32.751, 221.856



14, 13.302, 216.914



# Inverse Universe

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



63, 62.360, 331.447



67, 81.398, 332.083



76, 40.815, 81.761



43, 7.278, 328.974



40, 77.752, 334.556

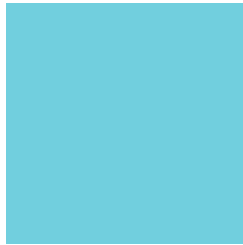


7, 31.375, 333.263



# Previews

## White Background



This preview shows how the CIE LCh color 78, 28.802, 213.889 looks on a white background.

## Color Contrast Check

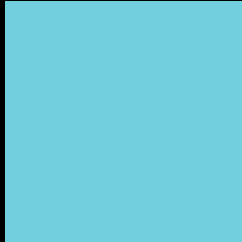
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 78, 28.802, 213.889 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

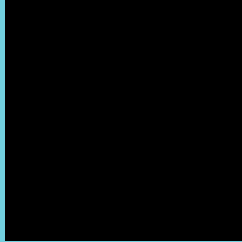
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 78, 28.802, 213.889**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 78, 28.802, 213.889.



This preview shows how white text looks on a background with the CIELCh color 78, 28.802, 213.889.

# 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

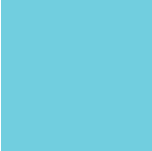


**Original Color**  
78, 28.802, 213.889

**Protanopia**  
77, 11.272, 289.425

**Deuteranopia**  
78, 21.135, 298.564





**Tritanopia**  
78, 28.702, 216.265

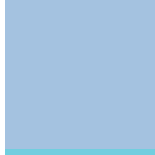
# Trichromacy



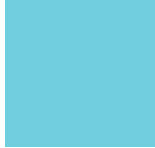
**Original Color**  
78, 28.802, 213.889



**Protanomaly**  
77, 15.264, 240.901



**Deuteranomaly**  
77, 18.580, 259.523

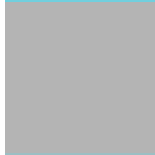


**Tritanomaly**  
78, 28.702, 216.265

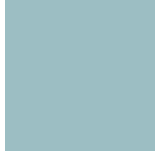
# Monochromacy



**Original Color**  
78, 28.802, 213.889



**Achromatopsia**  
73, 0.009, 296.813



**Achromatomaly**  
75, 12.063, 211.567

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 28.802, 213.889 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(113, 207, 222)` looks like.

```
.text, #text, p{  
    color:rgb(113, 207, 222)  
}
```

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(113, 207, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 207, 222) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 28.802, 213.889 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(113, 207, 222) }
```

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

```
.border{ border-color:rgb(113, 207, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 207, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 207, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 207, 222);  
box-shadow:4px 4px 4px 4px rgb(113, 207,  
222) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 28.802, 213.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 207, 222) }
```

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

```
.background{ background-color: rgb(113,  
207, 222) }
```

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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