

Converting Colors

CIELCh(76, 27.581, 217.059)

Have a look what the booklet for
CIELCh(76, 27.581, 217.059)
contains.

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Color

CIELCh(76, 27.577, 217.209)

Conversions

Conversions Part 1

Format	Color
Hex	70C8D9
RGB	112, 200, 217
RGB Percent	44%, 78%, 85%
CMY	0.5599, 0.2148, 0.1482
CMYK	0.48, 0.08, 0.00, 0.15
HSL	190°, 58%, 65%
HSV	190°, 48%, 85%
XYZ	39.9661, 49.8872, 73.3153
YIQ	175.6260, -57.9050, -13.3690

Conversions

Conversions Part 2

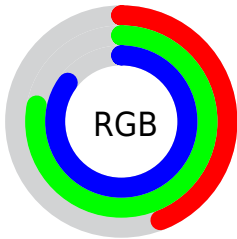
Format	Color
RYB	112, 160, 217
Decimal	7391449
CIELab	76.00, -21.96, -16.68
CIElCh	76, 27.577, 217.209
Yxy	49.8872, 0.2449, 0.3057
Android (android.graphics.Color)	4285581529 (0xFF70C8D9)
YUV	175.6260, 20.3974, -55.8000
Hunter-Lab	70.6309, -22.6009, -12.1018

Details

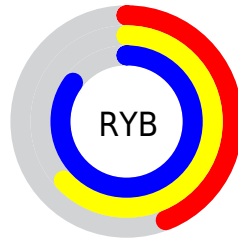
The CIELCh color **76, 27.577, 217.209** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 39.971, 36.521**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.754, 197.768**, and **56, 27.645, 216.746** is the 20% darker color. If you saturate the color by 10%, you get **74, 31.412, 218.315**, and if you desaturate by 10%, it is **78, 22.971, 216.404**.

Distribution



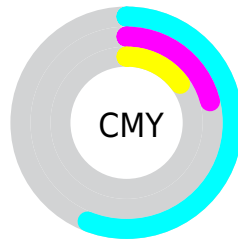
- Red (44%)
- Green (78%)
- Blue (85%)



- Red (44%)
- Yellow (63%)
- Blue (85%)



- Cyan (48%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)





- Cyan (56%)
- Magenta (21%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 27.577, 217.209 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 76, 27.577, 217.209 by changing the saturation by 10% instead.

 76, 27.577,
217.209

 76, 27.577,
217.209


 100, 27.577,
217.209


 66, 27.577,
217.209


 96, 27.577,
217.209

 56, 27.577,
217.209

 46, 27.577,
217.209

 36, 27.577,
217.209

 26, 27.577,
217.209

 16, 27.577,
217.209

 6, 27.577, 217.209

■ 0, 27.577, 217.209

■ 76, 27.577,
217.209

■ 76, 27.577,
217.209

■ 74, 31.412,
218.315

■ 78, 22.971,
216.404

■ 73, 34.408,
219.795

■ 80, 17.692,
215.850

■ 71, 36.540,
221.719

■ 82, 11.847,
215.500

■ 70, 37.849,
224.152

■ 85, 5.540, 215.345

■ 69, 38.486,
227.109

■ 87, 1.130, 34.629

■ 68, 38.574,
227.621

■ 90, 8.078, 35.076

■ 92, 11.853, 39.363

■ 93, 11.424, 49.941

■ 93, 11.412, 60.915

Harmonies

Complementary

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



76, 27.577, 217.209



63, 39.971, 36.521

Rectangle

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



76, 27.577, 217.209



76, 27.577, 267.209



76, 27.577, 37.209



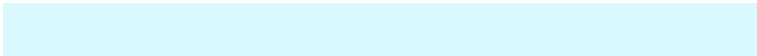
76, 27.577, 87.209

Sweetspot

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



76, 27.577, 217.207



96, 11.145, 215.427



79, 60.133, 144.669



51, 7.556, 215.474



0, 0.000, 0.000



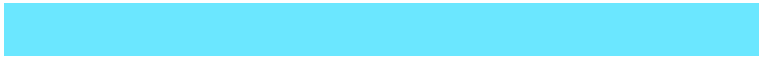
53, 0.007, 296.813

Same Dimension

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



76, 27.577, 217.207



86, 35.529, 218.340



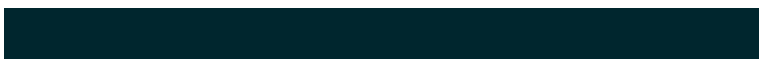
62, 39.215, 278.600



45, 3.791, 215.350



55, 32.607, 227.084



13, 13.170, 221.115

Inverse Universe

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



62, 59.426, 332.282



68, 78.999, 332.958



75, 39.865, 83.323



43, 7.154, 329.776



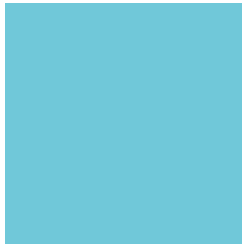
40, 76.315, 335.884



7, 30.838, 334.312

Previews

White Background



This preview shows how the CIELCh color 76, 27.577, 217.209 looks on a white background.

Color Contrast Check

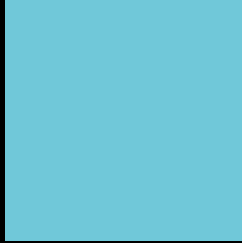
Large Text (above 18pt) WCAG AA × Fail

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 76, 27.577, 217.209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

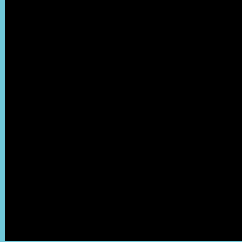
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 27.577, 217.209

Background



This preview shows how black text looks on a background with the CIELCh color 76, 27.577, 217.209.

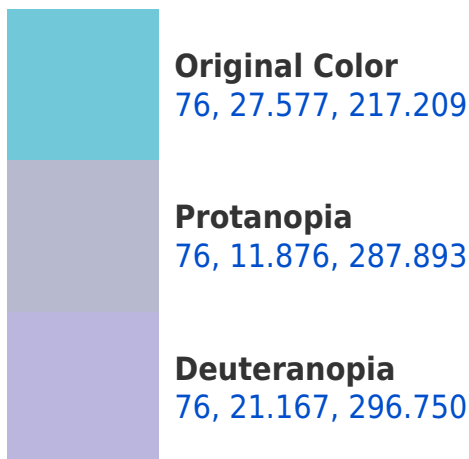


This preview shows how white text looks on a background with the CIELCh color 76, 27.577, 217.209.

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
76, 27.577, 217.209

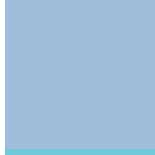
Trichromacy



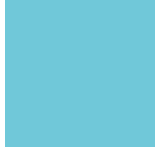
Original Color
76, 27.577, 217.209



Protanomaly
76, 15.414, 243.426



Deuteranomaly
75, 18.948, 261.429

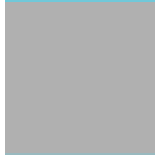


Tritanomaly
76, 27.577, 217.209

Monochromacy



Original Color
76, 27.577, 217.209



Achromatopsia
72, 0.009, 296.813



Achromatomaly
73, 11.558, 215.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 27.577, 217.209 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(112, 200, 217)` looks like.

```
.text, #text, p{  
    color:rgb(112, 200, 217)  
}
```

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(112, 200, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 200, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 27.577, 217.209 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(112, 200, 217) }
```

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

```
.border{ border-color:rgb(112, 200, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 200, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 200, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 200, 217);  
box-shadow:4px 4px 4px 4px rgb(112, 200,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 27.577, 217.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 200, 217) }
```

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

```
.background{ background-color: rgb(112,  
200, 217) }
```

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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