

Converting Colors

CIELCh(78, 27.954, 218.528)

Have a look what the booklet for
CIELCh(78, 27.954, 218.528)
contains.

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Color

CIELCh(78, 27.921, 218.053)

Conversions

Conversions Part 1

Format	Color
Hex	75CEE0
RGB	117, 206, 224
RGB Percent	46%, 81%, 88%
CMY	0.5418, 0.1928, 0.1222
CMYK	0.48, 0.08, 0.00, 0.12
HSL	190°, 63%, 67%
HSV	190°, 48%, 88%
XYZ	42.7817, 53.2120, 78.4259
YIQ	181.4410, -58.8220, -13.2700

Conversions

Conversions Part 2

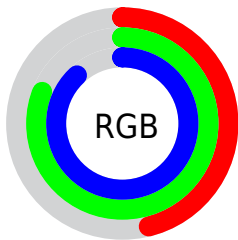
Format	Color
R _Y B	117, 166, 224
Decimal	7720672
CIE Lab	78.00, -21.99, -17.21
CIE LCh	78, 27.921, 218.053
Yxy	53.2120, 0.2453, 0.3051
Android (android.graphics.Color)	4285910752 (0xFF75CEE0)
YUV	181.4410, 20.9816, -56.5148
Hunter-Lab	72.9466, -22.9697, -12.6810

Details

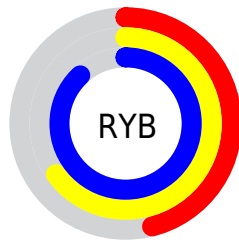
The CIELCh color **78, 27.921, 218.053** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **65, 40.270, 37.010**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.386, 197.852**, and **58, 27.956, 217.672** is the 20% darker color. If you saturate the color by 10%, you get **76, 31.886, 219.209**, and if you desaturate by 10%, it is **80, 23.177, 217.207**.

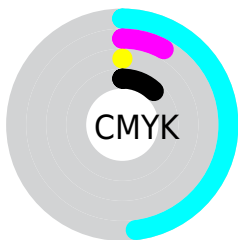
Distribution



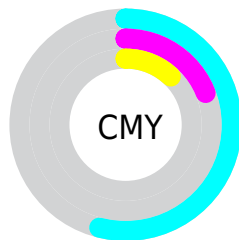
- Red (46%)
- Green (81%)
- Blue (88%)



- Red (46%)
- Yellow (65%)
- Blue (88%)



- Cyan (48%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)





- Cyan (54%)
- Magenta (19%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 27.921, 218.053 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, 27.921, 218.053 by changing the saturation by 10% instead.


 78, 27.921,
218.053


 78, 27.921,
218.053


 100, 27.921,
218.053


 68, 27.921,
218.053


 98, 27.921,
218.053

 58, 27.921,
218.053

 48, 27.921,
218.053

 38, 27.921,
218.053

 28, 27.921,
218.053

 18, 27.921,
218.053

 8, 27.921, 218.053

0, 27.921, 218.053

78, 27.921,
218.053

78, 27.921,
218.053

76, 31.886,
219.209

80, 23.177,
217.207

74, 35.000,
220.751

82, 17.753,
216.619

73, 37.237,
222.751

85, 11.758,
216.240

71, 38.637,
225.279

87, 5.299, 216.064

70, 39.345,
228.359

90, 1.525, 35.444

92, 8.627, 35.746

70, 39.469,
229.069

94, 9.389, 46.960

■ 95, 9.332, 61.304

■ 95, 9.851, 74.926

Harmonies

Complementary

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



78, 27.921, 218.053



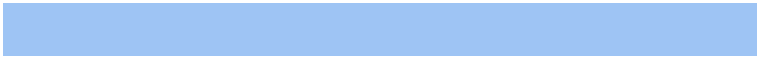
65, 40.270, 37.010

Rectangle

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



78, 27.921, 218.053



78, 27.921, 268.053



78, 27.921, 38.053



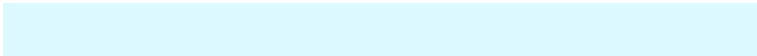
78, 27.921, 88.053

Sweetspot

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



78, 27.921, 218.051



96, 10.391, 216.148



81, 60.252, 145.237



51, 7.128, 216.199



0, 0.000, 0.000



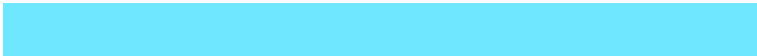
53, 0.007, 296.813

Same Dimension

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



78, 27.921, 218.051



86, 35.032, 219.158



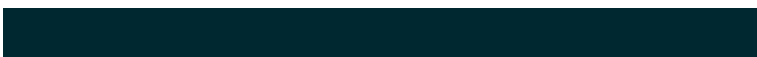
63, 40.637, 279.760



46, 3.848, 216.074



56, 32.965, 228.482



14, 13.585, 222.583

Inverse Universe

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



64, 60.023, 332.487



68, 77.572, 333.137



78, 40.851, 84.785



44, 7.258, 329.988



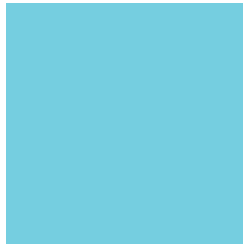
40, 76.767, 336.247



7, 32.063, 334.723

Previews

White Background



This preview shows how the CIELCh color 78, 27.921, 218.053 looks on a white background.

Color Contrast Check

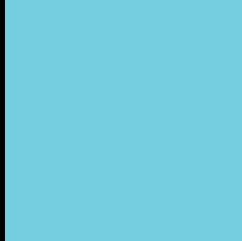
Large Text (above 18pt) WCAG AA × Fail

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 78, 27.921, 218.053 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, 27.921, 218.053

Background



This preview shows how black text looks on a background with the CIELCh color 78, 27.921, 218.053.



This preview shows how white text looks on a background with the CIELCh color 78, 27.921, 218.053.

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](#).

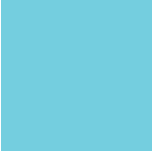
Dichromacy



Original Color
78, 27.921, 218.053

Protanopia
78, 12.879, 289.803

Deuteranopia
78, 22.163, 297.439



Tritanopia
78, 28.054, 216.752

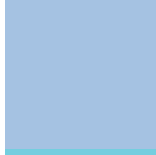
Trichromacy



Original Color
78, 27.921, 218.053



Protanomaly
77, 15.851, 247.231



Deuteranomaly
77, 19.324, 262.228

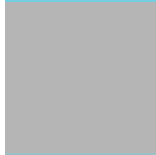


Tritanomaly
78, 28.054, 216.752

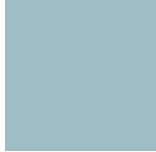
Monochromacy



Original Color
78, 27.921, 218.053



Achromatopsia
74, 0.009, 296.813



Achromatomaly
75, 11.641, 217.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 27.921, 218.053 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(117, 206, 224)` looks like.

```
.text, #text, p{  
    color:rgb(117, 206, 224)  
}
```

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(117, 206, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 206, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 27.921, 218.053 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(117, 206, 224) }
```

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

```
.border{ border-color:rgb(117, 206, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 206, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 206, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 206, 224);  
box-shadow:4px 4px 4px 4px rgb(117, 206,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 27.921, 218.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 206, 224) }
```

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

```
.background{ background-color: rgb(117,  
206, 224) }
```

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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