

Converting Colors

CIELCh(78, 36.159, 214.988)

Have a look what the booklet for
CIELCh(78, 36.159, 214.988)
contains.

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Color

CIELCh(78, 36.220, 214.514)

Conversions

Conversions Part 1

Format	Color
Hex	4CD2E6
RGB	76, 210, 230
RGB Percent	30%, 82%, 90%
CMY	0.7030, 0.1773, 0.0989
CMYK	0.67, 0.09, 0.00, 0.10
HSL	188°, 75%, 60%
HSV	188°, 67%, 90%
XYZ	40.2031, 53.2120, 82.8537
YIQ	172.2140, -86.2840, -22.1880

Conversions

Conversions Part 2

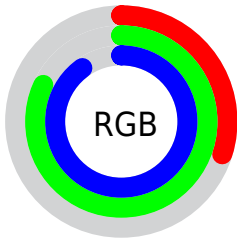
Format	Color
RYB	76, 148, 230
Decimal	5034726
CIELab	78.00, -29.84, -20.52
CIELCh	78, 36.220, 214.514
Yxy	53.2120, 0.2281, 0.3019
Android (android.graphics.Color)	4283224806 (0xFF4CD2E6)
YUV	172.2140, 28.4885, -84.3797
Hunter-Lab	72.9466, -29.2795, -16.2798

Details

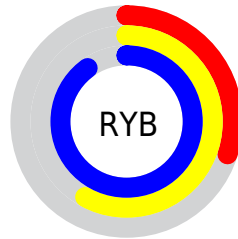
The CIELCh color **78, 36.220, 214.514** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **58, 63.234, 36.500**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.784, 197.342**, and **59, 33.305, 215.961** is the 20% darker color. If you saturate the color by 10%, you get **77, 38.501, 215.926**, and if you desaturate by 10%, it is **80, 32.986, 213.454**.

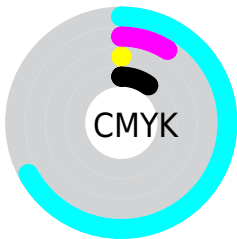
Distribution



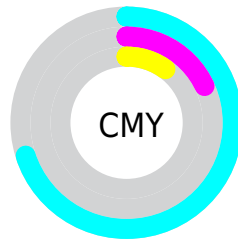
- Red (30%)
- Green (82%)
- Blue (90%)



- Red (30%)
- Yellow (58%)
- Blue (90%)



- Cyan (67%)
- Magenta (9%)
- Yellow (0%)
- Black (10%)





- Cyan (70%)
- Magenta (18%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 36.220, 214.514 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, 36.220, 214.514 by changing the saturation by 10% instead.


 78, 36.220,
214.514


 78, 36.220,
214.514


 100, 36.220,
214.514


 68, 36.220,
214.514


 98, 36.220,
214.514

 58, 36.220,
214.514

 48, 36.220,
214.514

 38, 36.220,
214.514

 28, 36.220,
214.514

 18, 36.220,
214.514

 8, 36.220, 214.514

0, 36.220, 214.514

78, 36.220,
214.514

78, 36.220,
214.514

77, 38.501,
215.926

80, 32.986,
213.454

75, 39.857,
217.747

81, 28.838,
212.693

74, 40.408,
220.011

83, 23.857,
212.179

74, 40.500,
220.727

85, 18.150,
211.868

87, 11.836,
211.726

90, 5.032, 211.763

■ 92, 2.157, 31.420

■ 94, 7.995, 34.149

■ 95, 7.523, 47.434

Harmonies

Complementary

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



78, 36.220, 214.514



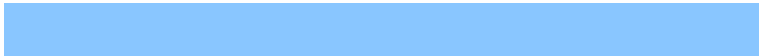
58, 63.234, 36.500

Rectangle

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



78, 36.220, 214.514



78, 36.220, 264.514



78, 36.220, 34.514



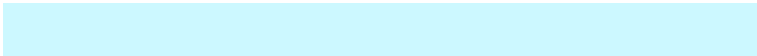
78, 36.220, 84.514

Sweetspot

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



78, 36.219, 214.513



95, 14.965, 211.753



81, 85.634, 141.214



50, 10.113, 211.791



0, 0.000, 0.000



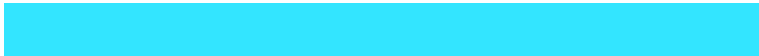
53, 0.007, 296.813

Same Dimension

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



78, 36.219, 214.513



84, 42.264, 216.499



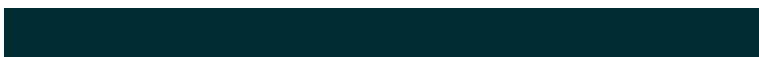
57, 55.002, 281.633



47, 4.027, 211.731



59, 33.557, 220.275



16, 14.235, 216.125

Inverse Universe

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



59, 82.760, 332.251



61, 99.256, 333.049



74, 57.160, 77.568



45, 7.596, 328.728



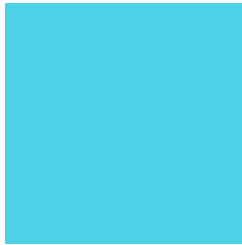
41, 79.900, 334.161



8, 34.054, 333.135

Previews

White Background



This preview shows how the CIE LCh color 78, 36.220, 214.514 looks on a white background.

Color Contrast Check

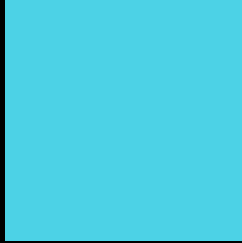
Large Text (above 18pt) WCAG AA × Fail

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, 36.220, 214.514 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, 36.220, 214.514

Background



This preview shows how black text looks on a background with the CIELCh color 78, 36.220, 214.514.



This preview shows how white text looks on a background with the CIELCh color 78, 36.220, 214.514.

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

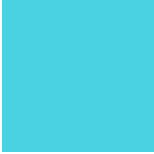
78, 36.220, 214.514

Protanopia

78, 14.507, 287.400

Deuteranopia

77, 25.801, 293.241

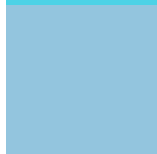


Tritanopia
78, 36.440, 211.686

Trichromacy



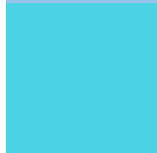
Original Color
78, 36.220, 214.514



Protanomaly
77, 20.485, 239.757



Deuteranomaly
77, 24.760, 254.798

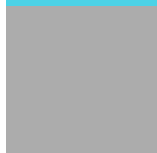


Tritanomaly
78, 36.311, 212.648

Monochromacy



Original Color
78, 36.220, 214.514



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 16.853, 211.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 36.220, 214.514 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(76, 210, 230)` looks like.

```
.text, #text, p{  
    color:rgb(76, 210, 230)  
}
```

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(76, 210, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 210, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 36.220, 214.514 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(76, 210, 230) }
```

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

```
.border{ border-color:rgb(76, 210, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 210, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 210, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 210, 230);  
box-shadow:4px 4px 4px 4px rgb(76, 210,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 36.220, 214.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 210, 230) }
```

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

```
.background{ background-color: rgb(76, 210,  
230) }
```

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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