

Converting Colors

CIELCh(78, 37.619, 236.870)

Have a look what the booklet for
CIELCh(78, 37.619, 236.870)
contains.

CIELCh(78, 37.621, 236.948)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(78, 37.621, 236.948)

Conversions

Conversions Part 1

Format	Color
Hex	56CEFA
RGB	86, 206, 250
RGB Percent	34%, 81%, 98%
CMY	0.6647, 0.1906, 0.0180
CMYK	0.66, 0.18, 0.00, 0.02
HSL	196°, 95%, 66%
HSV	196°, 66%, 98%
XYZ	43.2752, 53.2120, 98.7642
YIQ	175.1360, -85.6440, -11.7560

Conversions

Conversions Part 2

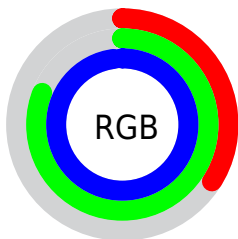
Format	Color
R _Y B	86, 155, 250
Decimal	5689082
CIE Lab	78.00, -20.52, -31.53
CIE LCh	78, 37.621, 236.948
Yxy	53.2120, 0.2216, 0.2725
Android (android.graphics.Color)	4283879162 (0xFF56CEFA)
YUV	175.1360, 36.9080, -78.1723
Hunter-Lab	72.9466, -21.7622, -29.2116

Details

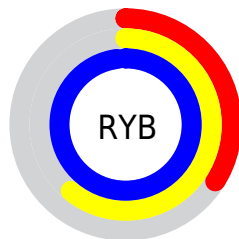
The CIELCh color **78, 37.621, 236.948** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **67, 61.585, 46.115**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.646, 197.470**, and **58, 35.900, 238.408** is the 20% darker color. If you saturate the color by 10%, you get **75, 40.861, 240.161**, and if you desaturate by 10%, it is **81, 33.643, 234.369**.

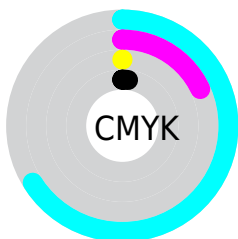
Distribution



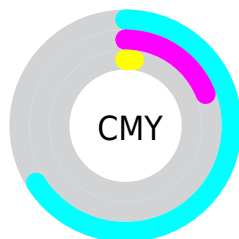
- Red (34%)
- Green (81%)
- Blue (98%)



- Red (34%)
- Yellow (61%)
- Blue (98%)



- Cyan (66%)
- Magenta (18%)
- Yellow (0%)
- Black (2%)




- Cyan (66%)
- Magenta (19%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 37.621, 236.948 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, 37.621, 236.948 by changing the saturation by 10% instead.


 78, 37.621,
236.948

 78, 37.621,
236.948


 100, 37.621,
236.948

 68, 37.621,
236.948


 98, 37.621,
236.948

 58, 37.621,
236.948

 48, 37.621,
236.948

 38, 37.621,
236.948

 28, 37.621,
236.948

 18, 37.621,
236.948

 8, 37.621, 236.948

0, 37.621, 236.948

78, 37.621,
236.948

78, 37.621,
236.948

75, 40.861,
240.161

81, 33.643,
234.369

73, 43.440,
244.076

84, 28.932,
232.334

71, 45.530,
248.686

87, 23.541,
230.746

70, 46.355,
250.703

90, 17.556,
229.522

93, 11.073,
228.594

96, 4.187, 227.961

99, 1.530, 85.257

100, 2.320,
109.971

Harmonies

Complementary

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



78, 37.621, 236.948



67, 61.585, 46.115

Rectangle

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



78, 37.621, 236.948



78, 37.621, 286.948



78, 37.621, 56.948



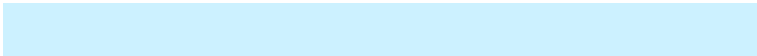
78, 37.621, 106.948

Sweetspot

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



78, 37.620, 236.948



93, 14.021, 228.948



88, 81.316, 145.944



49, 9.490, 229.213



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, 37.620, 236.948



76, 42.338, 241.345



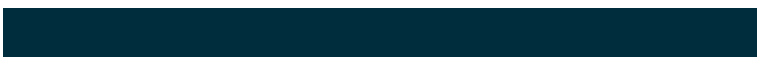
55, 72.191, 291.364



50, 4.026, 228.147



54, 37.250, 249.776



17, 16.235, 242.814

Inverse Universe

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



63, 79.905, 338.228



60, 89.961, 339.726



86, 65.329, 89.971



49, 7.392, 333.584



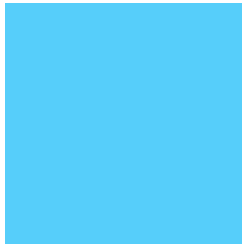
42, 75.213, 342.542



10, 34.839, 340.275

Previews

White Background



This preview shows how the CIE LCh color 78, 37.621, 236.948 looks on a white background.

Color Contrast Check

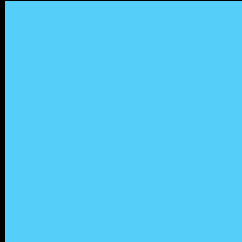
Large Text (above 18pt) WCAG AA × Fail

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, 37.621, 236.948 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

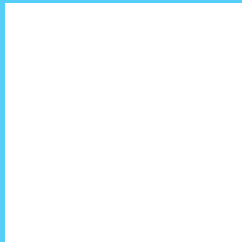
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 37.621, 236.948

Background



This preview shows how black text looks on a background with the CIELCh color 78, 37.621, 236.948.

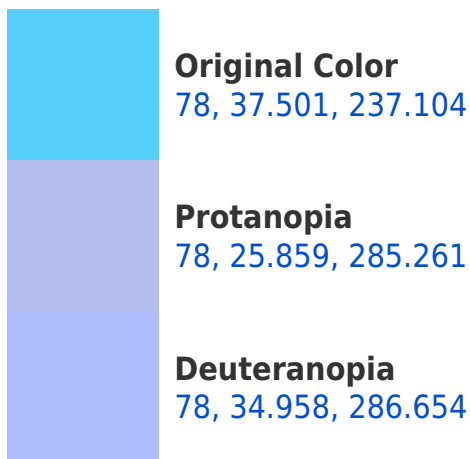


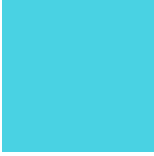
This preview shows how white text looks on a background with the CIELCh color 78, 37.621, 236.948.

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
78, 36.578, 211.621

Trichromacy



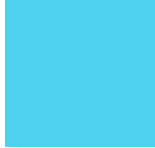
Original Color
78, 37.501, 237.104



Protanomaly
77, 28.792, 260.621



Deuteranomaly
77, 33.947, 266.242



Tritanomaly
78, 36.205, 221.079

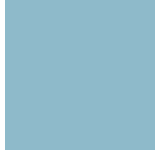
Monochromacy



Original Color
78, 37.501, 237.104



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 16.758, 229.878

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 37.621, 236.948 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(86, 206, 250)` looks like.

```
.text, #text, p{  
    color:rgb(86, 206, 250)  
}
```

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(86, 206, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 206, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 37.621, 236.948 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(86, 206, 250) }
```

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

```
.border{ border-color:rgb(86, 206, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 206, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 206, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 206, 250);  
box-shadow:4px 4px 4px 4px rgb(86, 206,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 37.621, 236.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 206, 250) }
```

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

```
.background{ background-color: rgb(86, 206,  
250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor