

Converting Colors

CIELCh(78, 34.567, 218.309)

Have a look what the booklet for
CIELCh(78, 34.567, 218.309)
contains.

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Color

CIELCh(78, 34.717, 218.294)

Conversions

Conversions Part 1

Format	Color
Hex	56D1E8
RGB	86, 209, 232
RGB Percent	34%, 82%, 91%
CMY	0.6642, 0.1816, 0.0915
CMYK	0.63, 0.10, 0.00, 0.09
HSL	189°, 76%, 62%
HSV	189°, 63%, 91%
XYZ	41.0436, 53.2120, 84.2107
YIQ	174.8450, -80.6910, -18.9230

Conversions

Conversions Part 2

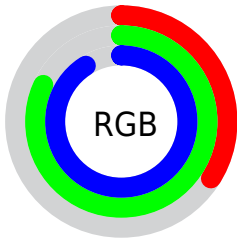
Format	Color
RYB	86, 153, 232
Decimal	5689832
CIELab	78.00, -27.25, -21.51
CIElCh	78, 34.717, 218.294
Yxy	53.2120, 0.2300, 0.2982
Android (android.graphics.Color)	4283879912 (0xFF56D1E8)
YUV	174.8450, 28.1774, -77.9171
Hunter-Lab	72.9466, -27.2229, -17.3828

Details

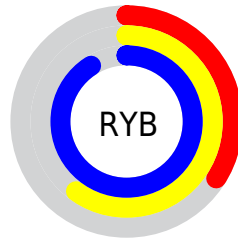
The CIELCh color **78, 34.717, 218.294** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **60, 58.163, 37.716**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.132, 197.441**, and **58, 33.283, 219.242** is the 20% darker color. If you saturate the color by 10%, you get **76, 37.413, 219.930**, and if you desaturate by 10%, it is **80, 31.105, 217.055**.

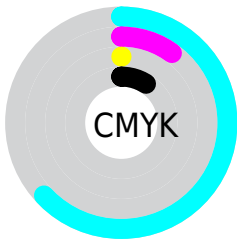
Distribution



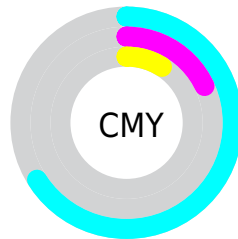
- Red (34%)
- Green (82%)
- Blue (91%)



- Red (34%)
- Yellow (60%)
- Blue (91%)



- Cyan (63%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)



- Cyan (66%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 34.717, 218.294 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, 34.717, 218.294 by changing the saturation by 10% instead.

 78, 34.717,
218.294

 78, 34.717,
218.294

 100, 34.717,
218.294

 68, 34.717,
218.294

 98, 34.717,
218.294


 58, 34.717,
218.294

 48, 34.717,
218.294

 38, 34.717,
218.294

 28, 34.717,
218.294

 18, 34.717,
218.294

 8, 34.717, 218.294

0, 34.717, 218.294

78, 34.717,
218.294

78, 34.717,
218.294

76, 37.413,
219.930

80, 31.105,
217.055

75, 39.199,
222.036

82, 26.633,
216.148

74, 40.159,
224.668

84, 21.391,
215.512

73, 40.495,
226.765

86, 15.491,
215.095

89, 9.046, 214.867

91, 2.167, 214.959

94, 5.049, 34.533

■ 95, 6.950, 46.718

■ 96, 6.984, 65.417

Harmonies

Complementary

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



78, 34.717, 218.294



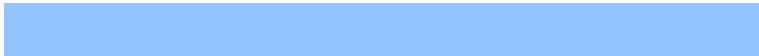
60, 58.163, 37.716

Rectangle

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



78, 34.717, 218.294



78, 34.717, 268.294



78, 34.717, 38.294



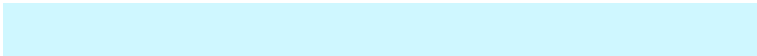
78, 34.717, 88.294

Sweetspot

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



78, 34.716, 218.293



95, 13.986, 214.984



82, 80.196, 142.708



50, 9.536, 215.062



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, 34.716, 218.293



83, 40.979, 220.581



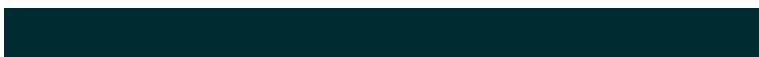
58, 54.587, 282.913



47, 3.947, 214.834



57, 33.322, 226.185



15, 14.063, 220.989

Inverse Universe

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



60, 78.269, 333.097



62, 95.064, 334.003



76, 54.983, 81.109



45, 7.450, 329.629



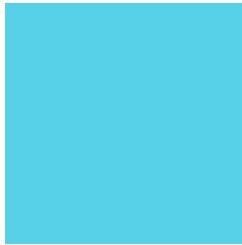
41, 78.219, 335.653



8, 33.441, 334.339

Previews

White Background



This preview shows how the CIE LCh color 78, 34.717, 218.294 looks on a white background.

Color Contrast Check

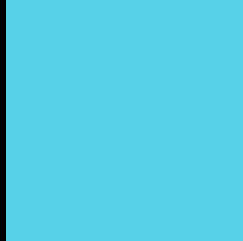
Large Text (above 18pt) WCAG AA × Fail

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, 34.717, 218.294 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, 34.717, 218.294

Background



This preview shows how black text looks on a background with the CIELCh color 78, 34.717, 218.294.



This preview shows how white text looks on a background with the CIELCh color 78, 34.717, 218.294.

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, 34.717, 218.294

Protanopia

78, 15.575, 287.794

Deuteranopia

78, 25.765, 291.765

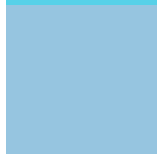


Tritanopia
78, 35.107, 212.335

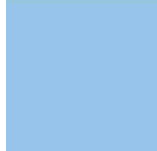
Trichromacy



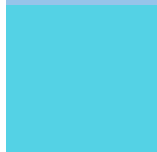
Original Color
78, 34.717, 218.294



Protanomaly
77, 20.485, 243.959



Deuteranomaly
77, 24.434, 255.869

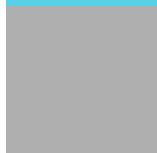


Tritanomaly
78, 35.002, 214.266

Monochromacy



Original Color
78, 34.717, 218.294



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 15.835, 216.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 34.717, 218.294 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, 209, 232)` looks like.

```
.text, #text, p{  
    color:rgb(86, 209, 232)  
}
```

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, 209, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 209, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 34.717, 218.294 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, 209, 232) }
```

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

```
.border{ border-color:rgb(86, 209, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 209, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 209, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 209, 232);  
box-shadow:4px 4px 4px 4px rgb(86, 209,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 34.717, 218.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 209, 232) }
```

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

```
.background{ background-color: rgb(86, 209,  
232) }
```

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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