

Converting Colors

CIELCh(78, 34.790, 212.496)

Have a look what the booklet for
CIELCh(78, 34.790, 212.496)
contains.

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Color

CIELCh(78, 34.756, 212.521)

Conversions

Conversions Part 1

Format	Color
Hex	54D1E2
RGB	84, 209, 226
RGB Percent	33%, 82%, 89%
CMY	0.6687, 0.1788, 0.1122
CMYK	0.63, 0.08, 0.00, 0.11
HSL	187°, 71%, 61%
HSV	187°, 63%, 89%
XYZ	40.3765, 53.2120, 80.3775
YIQ	173.5630, -79.9570, -21.2130

Conversions

Conversions Part 2

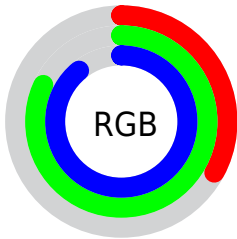
Format	Color
RYB	84, 150, 226
Decimal	5558754
CIELab	78.00, -29.31, -18.69
CIELCh	78, 34.756, 212.521
Yxy	53.2120, 0.2321, 0.3059
Android (android.graphics.Color)	4283748834 (0xFF54D1E2)
YUV	173.5630, 25.8514, -78.5468
Hunter-Lab	72.9466, -28.8553, -14.2672

Details

The CIELCh color **78, 34.756, 212.521** 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, 58.017, 35.134**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.611, 197.412**, and **58, 33.112, 213.962** is the 20% darker color. If you saturate the color by 10%, you get **77, 37.431, 213.638**, and if you desaturate by 10%, it is **79, 31.139, 211.706**.

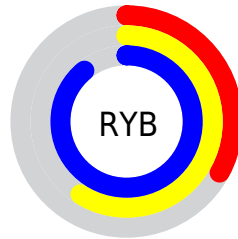
Distribution



Red (33%)

Green (82%)

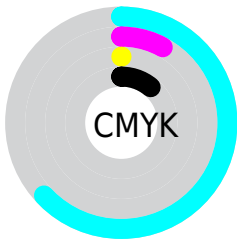
Blue (89%)



Red (33%)

Yellow (59%)

Blue (89%)

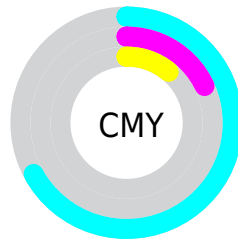


Cyan (63%)

Magenta (8%)

Yellow (0%)

Black (11%)



Cyan (67%)


Magenta (18%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 34.756, 212.521 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, 34.756, 212.521 by changing the saturation by 10% instead.


 78, 34.756,
212.521


 78, 34.756,
212.521


 100, 34.756,
212.521


 68, 34.756,
212.521


 98, 34.756,
212.521

 58, 34.756,
212.521

 48, 34.756,
212.521

 38, 34.756,
212.521

 28, 34.756,
212.521

 18, 34.756,
212.521

 8, 34.756, 212.521

0, 34.756, 212.521

78, 34.756,
212.521

78, 34.756,
212.521

77, 37.431,
213.638

79, 31.139,
211.706

76, 39.161,
215.111

81, 26.641,
211.148

75, 40.013,
216.984

83, 21.356,
210.801

74, 40.239,
218.575

85, 15.398,
210.628

87, 8.884, 210.609

89, 1.929, 210.915

92, 5.366, 30.627

■ 93, 9.050, 35.324

■ 94, 8.613, 45.917

Harmonies

Complementary

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



78, 34.756, 212.521



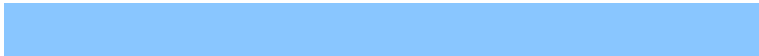
58, 58.017, 35.134

Rectangle

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



78, 34.756, 212.521



78, 34.756, 262.521



78, 34.756, 32.521



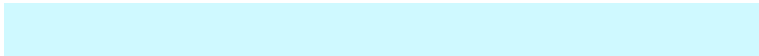
78, 34.756, 82.521

Sweetspot

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



78, 34.755, 212.520



95, 14.373, 210.604



80, 80.132, 141.825



50, 9.798, 210.622



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, 34.755, 212.520



85, 41.588, 214.014



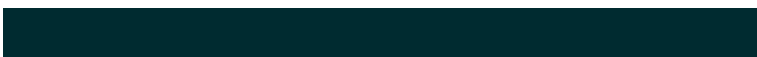
58, 50.659, 280.158



46, 3.984, 210.641



59, 33.365, 218.159



15, 13.881, 214.184

Inverse Universe

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



59, 78.477, 331.609



62, 96.879, 332.335



74, 52.817, 78.268



44, 7.509, 328.409



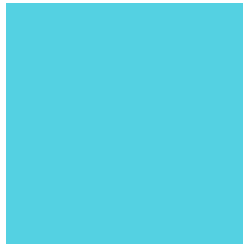
41, 79.675, 333.637



7, 33.138, 332.644

Previews

White Background



This preview shows how the CIELCh color 78, 34.756, 212.521 looks on a white background.

Color Contrast Check

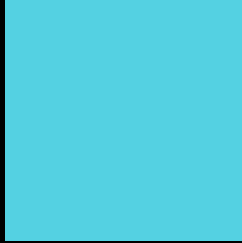
Large Text (above 18pt) WCAG AA × Fail

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, 34.756, 212.521 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, 34.756, 212.521

Background



This preview shows how black text looks on a background with the CIELCh color 78, 34.756, 212.521.

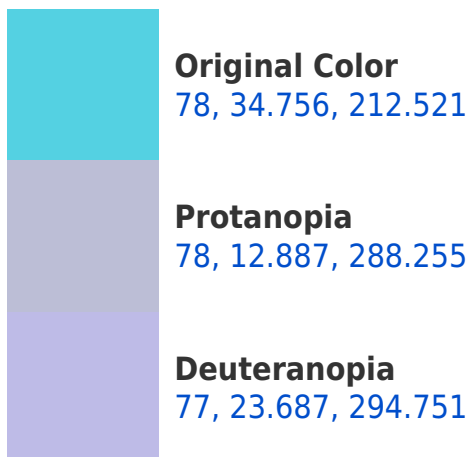


This preview shows how white text looks on a background with the CIELCh color 78, 34.756, 212.521.

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, 34.756, 212.521

Trichromacy



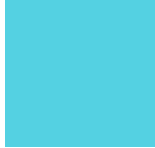
Original Color
78, 34.756, 212.521



Protanomaly
77, 18.940, 237.374



Deuteranomaly
77, 22.347, 254.049



Tritanomaly
78, 34.756, 212.521

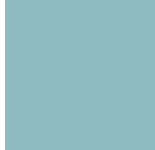
Monochromacy



Original Color
78, 34.756, 212.521



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 15.891, 210.162

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 34.756, 212.521 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(84, 209, 226)` looks like.

```
.text, #text, p{  
    color:rgb(84, 209, 226)  
}
```

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(84, 209, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 209, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 34.756, 212.521 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(84, 209, 226) }
```

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

```
.border{ border-color:rgb(84, 209, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 209, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 209, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 209, 226);  
box-shadow:4px 4px 4px 4px rgb(84, 209,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 34.756, 212.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 209, 226) }
```

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

```
.background{ background-color: rgb(84, 209,  
226) }
```

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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