

Converting Colors

CIELCh(79, 34.556, 212.593)

Have a look what the booklet for
CIELCh(79, 34.556, 212.593)
contains.

CIELCh(79, 34.526, 212.616)	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(79, 34.526, 212.616)

Conversions

Conversions Part 1

Format	Color
Hex	59D4E5
RGB	89, 212, 229
RGB Percent	35%, 83%, 90%
CMY	0.6505, 0.1682, 0.1016
CMYK	0.61, 0.07, 0.00, 0.10
HSL	187°, 73%, 62%
HSV	187°, 61%, 90%
XYZ	41.8557, 54.9284, 82.5971
YIQ	177.1610, -78.7650, -20.7890

Conversions

Conversions Part 2

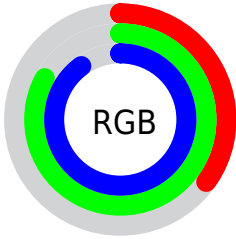
Format	Color
R _Y B	89, 154, 229
Decimal	5887205
CIE Lab	79.00, -29.08, -18.61
CIE LCh	79, 34.526, 212.616
Yxy	54.9284, 0.2333, 0.3062
Android (android.graphics.Color)	4284077285 (0xFF59D4E5)
YUV	177.1610, 25.5566, -77.3172
Hunter-Lab	74.1137, -28.8910, -14.1970

Details

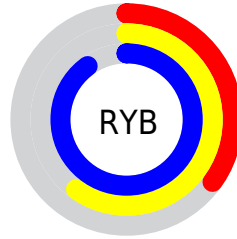
The CIELCh color **79, 34.526, 212.616** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **60, 56.765, 34.993**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.401, 197.485**, and **59, 33.582, 213.647** is the 20% darker color. If you saturate the color by 10%, you get **78, 37.374, 213.704**, and if you desaturate by 10%, it is **81, 30.734, 211.826**.

Distribution



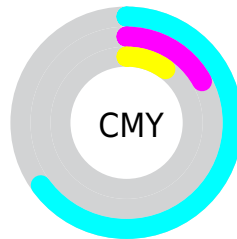
- Red (35%)
- Green (83%)
- Blue (90%)



- Red (35%)
- Yellow (60%)
- Blue (90%)



- Cyan (61%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)





- Cyan (65%)
- Magenta (17%)
- Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 34.526, 212.616 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 79, 34.526, 212.616 by changing the saturation by 10% instead.

 79, 34.526,
212.616

 79, 34.526,
212.616


 100, 34.526,
212.616

 69, 34.526,
212.616


 99, 34.526,
212.616

 59, 34.526,
212.616

 49, 34.526,
212.616

 39, 34.526,
212.616

 29, 34.526,
212.616

 19, 34.526,
212.616

 9, 34.526, 212.616

0, 34.526, 212.616

79, 34.526,
212.616

79, 34.526,
212.616

78, 37.374,
213.704

81, 30.734,
211.826

76, 39.265,
215.146

82, 26.067,
211.289

75, 40.255,
216.987

84, 20.623,
210.960

75, 40.564,
218.940

86, 14.519,
210.803

88, 7.873, 210.800

91, 0.799, 211.557

93, 6.603, 30.841

■ 94, 7.963, 39.546

■ 95, 7.673, 52.068

Harmonies

Complementary

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



79, 34.526, 212.616



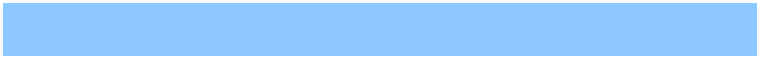
60, 56.765, 34.993

Rectangle

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



79, 34.526, 212.616



79, 34.526, 262.616



79, 34.526, 32.616



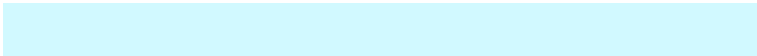
79, 34.526, 82.616

Sweetspot

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



79, 34.525, 212.615



95, 13.643, 210.785



81, 79.182, 142.034



50, 9.391, 210.802



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 34.525, 212.615



85, 41.096, 214.007



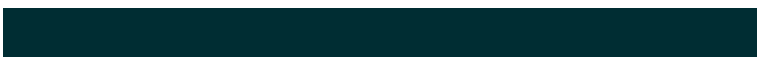
59, 49.807, 279.662



47, 4.053, 210.818



59, 33.691, 218.526



16, 14.305, 214.692

Inverse Universe

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



60, 77.618, 331.582



63, 95.335, 332.288



75, 51.963, 78.506



45, 7.641, 328.462



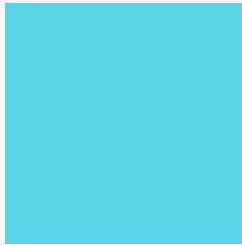
41, 80.419, 333.727



8, 34.242, 332.783

Previews

White Background



This preview shows how the CIE LCh color 79, 34.526, 212.616 looks on a white background.

Color Contrast Check

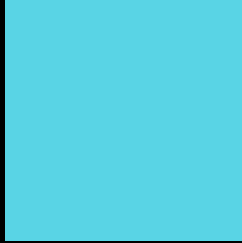
Large Text (above 18pt) WCAG AA × Fail

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 79, 34.526, 212.616 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 79, 34.526, 212.616

Background



This preview shows how black text looks on a background with the CIELCh color 79, 34.526, 212.616.



This preview shows how white text looks on a background with the CIELCh color 79, 34.526, 212.616.

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
79, 34.526, 212.616

Protanopia
79, 12.850, 288.236

Deuteranopia
79, 23.618, 294.724

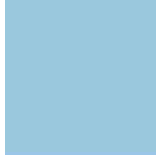


Tritanopia
79, 34.526, 212.616

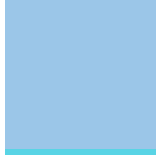
Trichromacy



Original Color
79, 34.526, 212.616



Protanomaly
78, 18.401, 236.449



Deuteranomaly
78, 22.305, 253.964

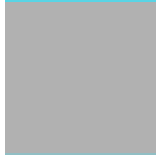


Tritanomaly
79, 34.526, 212.616

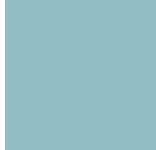
Monochromacy



Original Color
79, 34.526, 212.616



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 15.564, 210.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 34.526, 212.616 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(89, 212, 229)` looks like.

```
.text, #text, p{  
    color:rgb(89, 212, 229)  
}
```

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(89, 212, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 212, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 34.526, 212.616 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(89, 212, 229) }
```

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

```
.border{ border-color:rgb(89, 212, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 212, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 212, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 212, 229);  
box-shadow:4px 4px 4px 4px rgb(89, 212,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 34.526, 212.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 212, 229) }
```

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

```
.background{ background-color: rgb(89, 212,  
229) }
```

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