

Converting Colors

CIELCh(86, 54.605, 173.988)

Have a look what the booklet for
CIELCh(86, 54.605, 173.988)
contains.

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Color

CIELCh(86, 54.359, 174.306)

Conversions

Conversions Part 1

Format	Color
Hex	31F1CB
RGB	49, 241, 203
RGB Percent	19%, 95%, 80%
CMY	0.8066, 0.0542, 0.2033
CMYK	0.80, 0.00, 0.16, 0.05
HSL	168°, 87%, 57%
HSV	168°, 80%, 95%
XYZ	43.5832, 67.9871, 67.4225
YIQ	179.2600, -102.2340, -52.5220

Conversions

Conversions Part 2

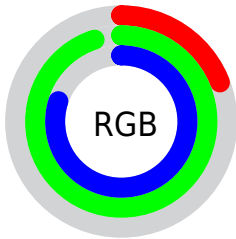
Format	Color
R_{YB}	49, 156, 241
Decimal	3273163
CIE _{Lab}	86.00, -54.09, 5.39
CIE _{LCh}	86, 54.359, 174.306
Yxy	67.9871, 0.2435, 0.3798
Android (android.graphics.Color)	4281463243 (0xFF31F1CB)
YUV	179.2600, 11.7038, -114.2380
Hunter-Lab	82.4543, -49.9445, 9.2368

Details

The CIELCh color **86, 54.359, 174.306** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **54, 76.577, 20.146**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.865, 197.158**, and **67, 48.051, 171.853** is the 20% darker color. If you saturate the color by 10%, you get **86, 57.391, 172.618**, and if you desaturate by 10%, it is **87, 50.347, 175.823**.

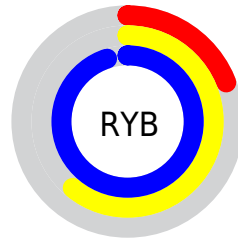
Distribution



Red (19%)

Green (95%)

Blue (80%)



Red (19%)

Yellow (61%)

Blue (95%)

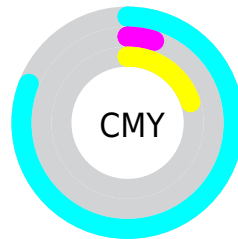


Cyan (80%)

Magenta (0%)

Yellow (16%)

Black (5%)



Cyan (81%)


Magenta (5%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 54.359, 174.306 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 86, 54.359, 174.306 by changing the saturation by 10% instead.


 86, 54.359,
174.306


 86, 54.359,
174.306


 100, 54.359,
174.306


 76, 54.359,
174.306

 66, 54.359,
174.306

 56, 54.359,
174.306

 46, 54.359,
174.306

 36, 54.359,
174.306


 26, 54.359,
174.306


 16, 54.359,


174.306


 6, 54.359, 174.306


 0, 54.359, 174.306


 86, 54.359,
174.306


 86, 54.359,
174.306

 86, 57.391,
172.618


 87, 50.347,
175.823

 85, 59.617,
170.781

 87, 45.328,
177.192

 85, 59.711,
170.698

 88, 39.354,
178.435

 89, 32.530,
179.576

 90, 24.993,

180.637

■ 92, 16.895,
181.637

■ 93, 8.383, 182.609

■ 95, 0.405, 1.981

■ 96, 5.545, 352.274

Harmonies

Complementary

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



86, 54.359, 174.306



54, 76.577, 20.146

Rectangle

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



86, 54.359, 174.306



86, 54.359, 224.306



86, 54.359, 354.306



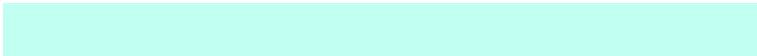
86, 54.359, 44.306

Sweetspot

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



86, 54.359, 174.305



96, 21.507, 181.191



85, 102.699, 134.359



51, 14.658, 180.831



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 54.359, 174.305



90, 61.263, 171.573



70, 41.809, 247.363



49, 4.964, 182.616



67, 48.456, 171.044



20, 20.430, 173.937

Inverse Universe

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



54, 76.577, 20.146



54, 90.942, 28.104



61, 73.617, 48.666



47, 5.156, 4.219



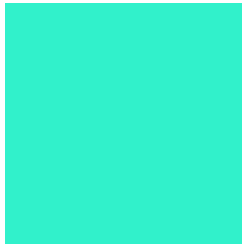
38, 72.683, 29.566



8, 29.008, 15.647

Previews

White Background



This preview shows how the CIE LCh color 86, 54.359, 174.306 looks on a white background.

Color Contrast Check

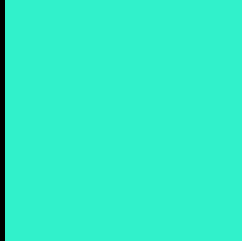
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 86, 54.359, 174.306 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 86, 54.359, 174.306

Background



This preview shows how black text looks on a background with the CIELCh color 86, 54.359, 174.306.

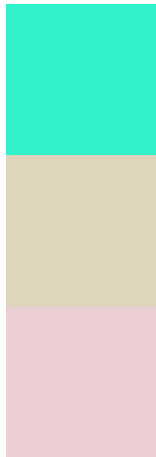


This preview shows how white text looks on a background with the CIELCh color 86, 54.359, 174.306.

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

86, 54.359, 174.306

Protanopia

85, 13.233, 90.646

Deuteranopia

85, 10.653, 5.979



Tritanopia
86, 39.725, 211.746

Trichromacy



Original Color
86, 54.359, 174.306



Protanomaly
84, 27.072, 163.181



Deuteranomaly
84, 18.966, 180.190

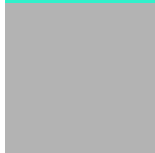


Tritanomaly
86, 43.285, 195.221

Monochromacy



Original Color
86, 54.359, 174.306



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 25.099, 179.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 54.359, 174.306 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(49, 241, 203)` looks like.

```
.text, #text, p{  
    color:rgb(49, 241, 203)  
}
```

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(49, 241, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 241, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 54.359, 174.306 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(49, 241, 203) }
```

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

```
.border{ border-color:rgb(49, 241, 203) }
```

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

Here you see how a box with a 4 pixel rgb(49, 241, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 241, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 241, 203);  
box-shadow:4px 4px 4px 4px rgb(49, 241,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 54.359, 174.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 241, 203) }
```

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

```
.background{ background-color: rgb(49, 241,  
203) }
```

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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