

Converting Colors

CIELCh(84, 34.885, 222.350)

Have a look what the booklet for
CIELCh(84, 34.885, 222.350)
contains.

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Color

CIELCh(84, 34.955, 222.747)

Conversions

Conversions Part 1

Format	Color
Hex	6AE1FD
RGB	106, 225, 253
RGB Percent	42%, 88%, 99%
CMY	0.5839, 0.1173, 0.0075
CMYK	0.58, 0.11, 0.00, 0.01
HSL	191°, 97%, 70%
HSV	191°, 58%, 99%
XYZ	50.6486, 64.0658, 102.6995
YIQ	192.6110, -79.9120, -16.5200

Conversions

Conversions Part 2

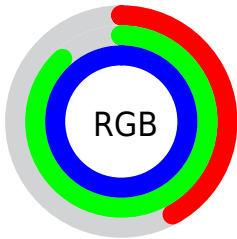
Format	Color
R _{YB}	106, 172, 253
Decimal	7004669
CIE _{Lab}	84.00, -25.67, -23.73
CIE _{LCh}	84, 34.955, 222.747
Y _{xy}	64.0658, 0.2330, 0.2947
Android (android.graphics.Color)	4285194749 (0xFF6AE1FD)
YUV	192.6110, 29.7718, -75.9578
Hunter-Lab	80.0411, -27.1203, -20.0453

Details

The CIELCh color **84, 34.955, 222.747** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **69, 55.519, 39.657**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.292, 197.735**, and **64, 34.926, 222.934** is the 20% darker color. If you saturate the color by 10%, you get **82, 38.377, 224.604**, and if you desaturate by 10%, it is **86, 30.619, 221.329**.

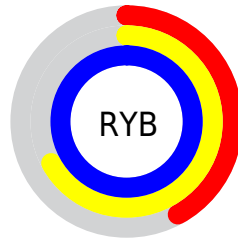
Distribution



Red (42%)

Green (88%)

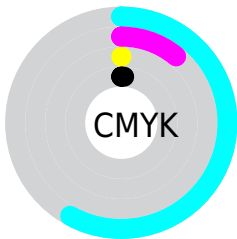
Blue (99%)



Red (42%)

Yellow (67%)

Blue (99%)

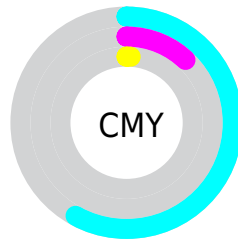


Cyan (58%)

Magenta (11%)

Yellow (0%)

Black (1%)



Cyan (58%)

Magenta (12%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 34.955, 222.747 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 84, 34.955, 222.747 by changing the saturation by 10% instead.

 84, 34.955,
222.747

 84, 34.955,
222.747


 100, 34.955,
222.747


 74, 34.955,
222.747

 64, 34.955,
222.747

 54, 34.955,
222.747

 44, 34.955,
222.747

 34, 34.955,
222.747

 24, 34.955,
222.747

 14, 34.955,

222.747

■ 4, 34.955, 222.747

■ 0, 34.955, 222.747

■ 84, 34.955,
222.747

■ 84, 34.955,
222.747

■ 82, 38.377,
224.604

■ 86, 30.619,
221.329

■ 80, 40.869,
226.987

■ 89, 25.444,
220.272

■ 78, 42.491,
229.971

■ 91, 19.534,
219.508

■ 77, 43.418,
233.573

■ 94, 13.005,
218.982

■ 76, 43.572,

■ 97, 5.974, 218.677

234.298

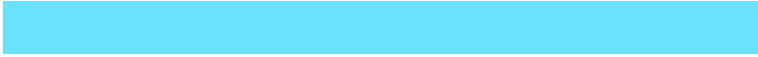
100, 0.571, 73.001

100, 0.957,
110.026

Harmonies

Complementary

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



84, 34.955, 222.747



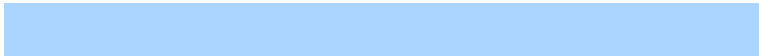
69, 55.519, 39.657

Rectangle

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



84, 34.955, 222.747



84, 34.955, 272.747



84, 34.955, 42.747



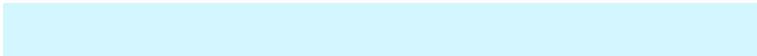
84, 34.955, 92.747

Sweetspot

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



84, 34.954, 222.746



95, 12.346, 218.938



89, 78.405, 144.372



50, 8.207, 219.022



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 34.954, 222.746



82, 39.159, 225.025



64, 56.440, 283.891



52, 4.216, 218.703



59, 35.250, 233.590



19, 16.135, 228.569

Inverse Universe

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



67, 77.119, 334.111



63, 88.732, 335.025



85, 55.525, 84.612



50, 7.936, 330.763



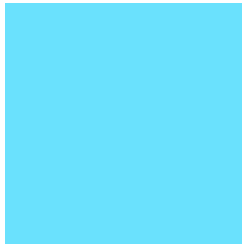
43, 80.247, 337.610



11, 37.563, 336.270

Previews

White Background



This preview shows how the CIE LCh color 84, 34.955, 222.747 looks on a white background.

Color Contrast Check

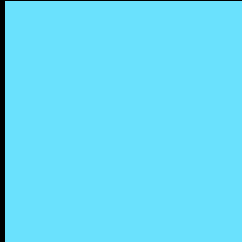
Large Text (above 18pt) WCAG AA × Fail

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 84, 34.955, 222.747 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 84, 34.955, 222.747

Background



This preview shows how black text looks on a background with the CIELCh color 84, 34.955, 222.747.

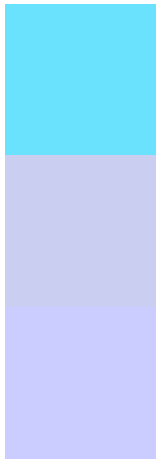


This preview shows how white text looks on a background with the CIELCh color 84, 34.955, 222.747.

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
84, 34.955, 222.747

Protanopia
83, 18.518, 287.598

Deuteranopia
83, 26.963, 291.772



Tritanopia
84, 34.960, 214.139

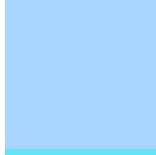
Trichromacy



Original Color
84, 34.955, 222.747



Protanomaly
83, 21.870, 249.767



Deuteranomaly
83, 25.562, 259.695

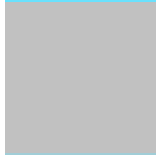


Tritanomaly
84, 34.942, 216.959

Monochromacy



Original Color
84, 34.955, 222.747



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 15.527, 218.638

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 34.955, 222.747 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(106, 225, 253)` looks like.

```
.text, #text, p{  
    color:rgb(106, 225, 253)  
}
```

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(106, 225, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 225, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 34.955, 222.747 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(106, 225, 253) }
```

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

```
.border{ border-color:rgb(106, 225, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 225, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 225, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 225, 253); box-shadow:4px 4px 4px 4px rgb(106, 225, 253) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 34.955, 222.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 225, 253) }
```

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

```
.background{ background-color: rgb(106,  
225, 253) }
```

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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