

Converting Colors

CIELCh(84, 35.901, 223.022)

Have a look what the booklet for
CIELCh(84, 35.901, 223.022)
contains.

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Color

CIELCh(84, 36.003, 223.824)

Conversions

Conversions Part 1

Format	Color
Hex	65E1FF
RGB	101, 225, 255
RGB Percent	40%, 88%, 100%
CMY	0.6023, 0.1163, 0.0000
CMYK	0.60, 0.12, 0.00, 0.00
HSL	192°, 100%, 70%
HSV	192°, 60%, 100%
XYZ	50.5341, 64.0658, 104.6023
YIQ	191.3440, -83.5340, -16.9580

Conversions

Conversions Part 2

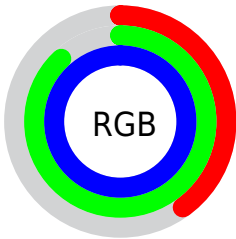
Format	Color
R_{YB}	101, 170, 255
Decimal	6676991
CIE _{Lab}	84.00, -25.98, -24.93
CIE _{LCh}	84, 36.003, 223.824
Yxy	64.0658, 0.2305, 0.2923
Android (android.graphics.Color)	4284867071 (0xFF65E1FF)
YUV	191.3440, 31.3824, -79.2317
Hunter-Lab	80.0411, -27.3756, -21.4548

Details

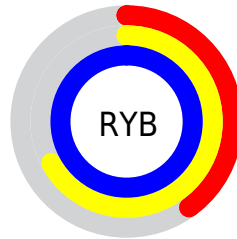
The CIELCh color **84, 36.003, 223.824** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **68, 58.303, 40.043**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.352, 197.670**, and **64, 35.961, 224.123** is the 20% darker color. If you saturate the color by 10%, you get **82, 39.207, 225.522**, and if you desaturate by 10%, it is **86, 31.789, 221.989**.

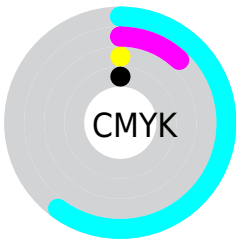
Distribution



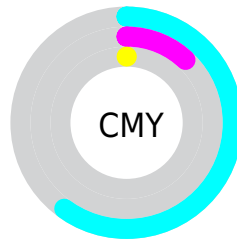
- Red (40%)
- Green (88%)
- Blue (100%)



- Red (40%)
- Yellow (67%)
- Blue (100%)



- Cyan (60%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (12%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 36.003, 223.824 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, 36.003, 223.824 by changing the saturation by 10% instead.

 84, 36.003,
223.824

 84, 36.003,
223.824


 100, 36.003,
223.824


 74, 36.003,
223.824

 64, 36.003,
223.824

 54, 36.003,
223.824

 44, 36.003,
223.824

 34, 36.003,
223.824

 24, 36.003,
223.824

 14, 36.003,

223.824

■ 4, 36.003, 223.824

■ 0, 36.003, 223.824

■ 84, 36.003,
223.824

■ 84, 36.003,
223.824

■ 82, 39.207,
225.522

■ 86, 31.789,
221.989

■ 80, 41.530,
228.072

■ 89, 26.758,
220.837

■ 78, 43.009,
231.241

■ 91, 20.966,
219.995

■ 77, 43.873,
234.894

■ 94, 14.529,
219.404

■ 97, 7.563, 219.031

100, 0.179,
222.338

100, 0.012,
296.813

Harmonies

Complementary

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



84, 36.003, 223.824



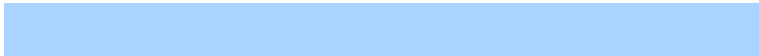
68, 58.303, 40.043

Rectangle

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



84, 36.003, 223.824



84, 36.003, 273.824



84, 36.003, 43.824



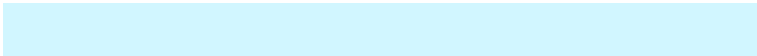
84, 36.003, 93.824

Sweetspot

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



84, 35.960, 223.523



95, 13.015, 219.301



90, 81.411, 144.063



50, 8.962, 219.437



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, 35.960, 223.523



82, 39.684, 225.931



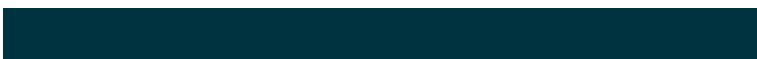
63, 59.044, 284.542



52, 4.210, 219.014



59, 35.286, 234.159



19, 16.138, 229.069

Inverse Universe

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



67, 79.705, 334.382



62, 90.093, 335.303



85, 57.894, 84.287



50, 7.921, 330.854



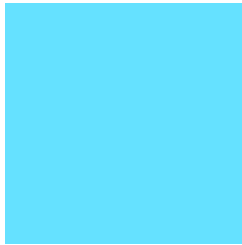
43, 80.091, 337.766



11, 37.498, 336.401

Previews

White Background



This preview shows how the CIE LCh color 84, 36.003, 223.824 looks on a white background.

Color Contrast Check

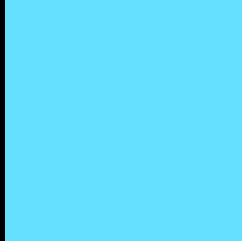
Large Text (above 18pt) WCAG AA × Fail

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, 36.003, 223.824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

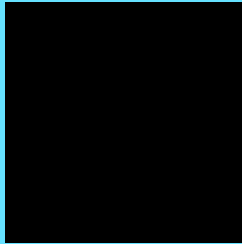
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 36.003, 223.824

Background



This preview shows how black text looks on a background with the CIELCh color 84, 36.003, 223.824.



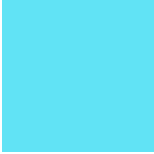
This preview shows how white text looks on a background with the CIELCh color 84, 36.003, 223.824.

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
84, 36.152, 212.598

Trichromacy



Original Color
84, 36.003, 223.824



Protanomaly
83, 22.971, 250.601



Deuteranomaly
83, 26.410, 258.793

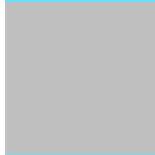


Tritanomaly
84, 35.849, 217.314

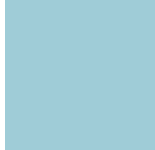
Monochromacy



Original Color
84, 36.003, 223.824



Achromatopsia
78, 0.009, 296.813



Achromatomaly
79, 15.960, 220.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 36.003, 223.824 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(101, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 225, 255)  
}
```

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(101, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 225, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 36.003, 223.824 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(101, 225, 255) }
```

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

```
.border{ border-color:rgb(101, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 225,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 36.003, 223.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 225, 255) }
```

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

```
.background{ background-color: rgb(101,  
225, 255) }
```

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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