

Converting Colors

CIELCh(80, 33.667, 234.350)

Have a look what the booklet for
CIELCh(80, 33.667, 234.350)
contains.

CIELCh(80, 33.624, 234.085)	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(80, 33.624, 234.085)

Conversions

Conversions Part 1

Format	Color
Hex	6CD3F8
RGB	108, 211, 248
RGB Percent	42%, 83%, 97%
CMY	0.5756, 0.1717, 0.0266
CMYK	0.56, 0.15, 0.00, 0.03
HSL	196°, 91%, 70%
HSV	196°, 56%, 97%
XYZ	46.5316, 56.6813, 97.4644
YIQ	184.4210, -73.2650, -10.3290

Conversions

Conversions Part 2

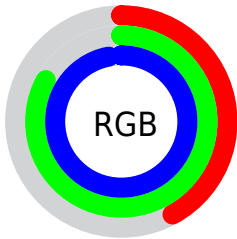
Format	Color
RYB	108, 167, 248
Decimal	7132152
CIELab	80.00, -19.72, -27.23
CIELCh	80, 33.624, 234.085
Yxy	56.6813, 0.2319, 0.2824
Android (android.graphics.Color)	4285322232 (0xFF6CD3F8)
YUV	184.4210, 31.3444, -67.0212
Hunter-Lab	75.2870, -21.4292, -24.0543

Details

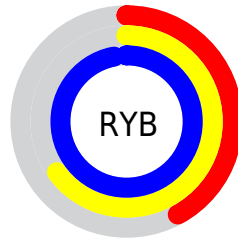
The CIELCh color **80, 33.624, 234.085** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **70, 50.695, 45.718**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.023, 197.751**, and **60, 33.727, 235.007** is the 20% darker color. If you saturate the color by 10%, you get **77, 37.515, 236.667**, and if you desaturate by 10%, it is **83, 28.995, 232.045**.

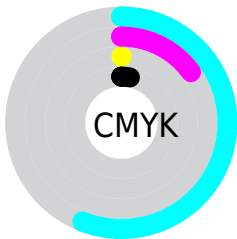
Distribution



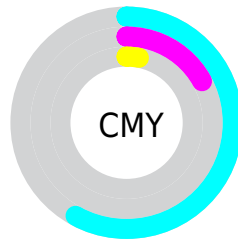
- Red (42%)
- Green (83%)
- Blue (97%)



- Red (42%)
- Yellow (65%)
- Blue (97%)



- Cyan (56%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)





- Cyan (58%)
- Magenta (17%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 33.624, 234.085 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 80, 33.624, 234.085 by changing the saturation by 10% instead.


 80, 33.624,
234.085


 80, 33.624,
234.085


 100, 33.624,
234.085


 70, 33.624,
234.085

 60, 33.624,
234.085

 50, 33.624,
234.085

 40, 33.624,
234.085

 30, 33.624,
234.085

 20, 33.624,
234.085

 10, 33.624,

234.085

0, 33.624, 234.085

80, 33.624,
234.085

80, 33.624,
234.085

77, 37.515,
236.667

83, 28.995,
232.045

75, 40.671,
239.887

86, 23.684,
230.456

73, 43.169,
243.808

89, 17.774,
229.232

71, 45.182,
248.420

92, 11.361,
228.304

70, 45.880,
250.158

95, 4.540, 227.663

99, 1.954, 57.032

100, 3.433,
109.899

Harmonies

Complementary

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



80, 33.624, 234.085



70, 50.695, 45.718

Rectangle

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



80, 33.624, 234.085



80, 33.624, 284.085



80, 33.624, 54.085



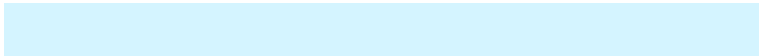
80, 33.624, 104.085

Sweetspot

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



80, 33.623, 234.084



94, 12.020, 228.355



88, 71.592, 146.806



49, 7.997, 228.523



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 33.623, 234.084



79, 38.890, 237.168



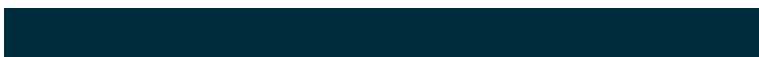
61, 59.088, 287.697



50, 4.028, 227.823



54, 37.128, 249.261



17, 16.202, 242.340

Inverse Universe

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



66, 70.608, 337.182



63, 82.974, 338.332



86, 55.590, 90.045



49, 7.406, 333.484



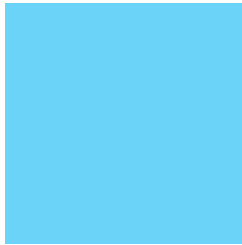
42, 75.344, 342.365



10, 34.895, 340.130

Previews

White Background



This preview shows how the CIELCh color 80, 33.624, 234.085 looks on a white background.

Color Contrast Check

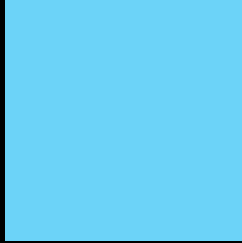
Large Text (above 18pt) WCAG AA × Fail

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 80, 33.624, 234.085 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 80, 33.624, 234.085

Background



This preview shows how black text looks on a background with the CIELCh color 80, 33.624, 234.085.



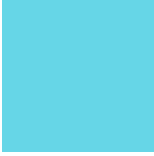
This preview shows how white text looks on a background with the CIELCh color 80, 33.624, 234.085.

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



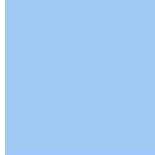


Tritanopia
80, 32.627, 213.633

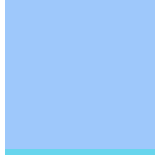
Trichromacy



Original Color
80, 33.624, 234.085



Protanomaly
79, 24.601, 259.646



Deuteranomaly
79, 29.554, 266.845

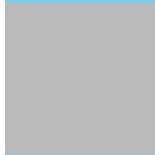


Tritanomaly
80, 32.555, 220.869

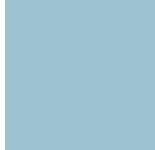
Monochromacy



Original Color
80, 33.624, 234.085



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 14.420, 227.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 33.624, 234.085 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(108, 211, 248)` looks like.

```
.text, #text, p{  
    color:rgb(108, 211, 248)  
}
```

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(108, 211, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 211, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 33.624, 234.085 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(108, 211, 248) }
```

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

```
.border{ border-color:rgb(108, 211, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 211, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 211, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 211, 248);  
box-shadow:4px 4px 4px 4px rgb(108, 211,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 33.624, 234.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 211, 248) }
```

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

```
.background{ background-color: rgb(108,  
211, 248) }
```

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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