

Converting Colors

CIELCh(80, 31.653, 224.929)

Have a look what the booklet for
CIELCh(80, 31.653, 224.929)
contains.

CIELCh(80, 31.641, 224.964)	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, 31.641, 224.964)

Conversions

Conversions Part 1

Format	Color
Hex	6ED4EF
RGB	110, 212, 239
RGB Percent	43%, 83%, 94%
CMY	0.5683, 0.1683, 0.0624
CMYK	0.54, 0.11, 0.00, 0.06
HSL	193°, 80%, 68%
HSV	193°, 54%, 94%
XYZ	45.5941, 56.6813, 90.2587
YIQ	184.5800, -69.4590, -13.2270

Conversions

Conversions Part 2

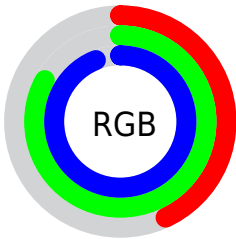
Format	Color
R _Y B	110, 167, 239
Decimal	7263471
CIE Lab	80.00, -22.39, -22.36
CIE LCh	80, 31.641, 224.964
Yxy	56.6813, 0.2368, 0.2944
Android (android.graphics.Color)	4285453551 (0xFF6ED4EF)
YUV	184.5800, 26.8291, -65.4067
Hunter-Lab	75.2870, -23.6518, -18.3797

Details

The CIELCh color **80, 31.641, 224.964** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **68, 47.934, 40.885**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.754, 197.768**, and **60, 31.631, 225.237** is the 20% darker color. If you saturate the color by 10%, you get **78, 35.339, 226.826**, and if you desaturate by 10%, it is **82, 27.130, 223.537**.

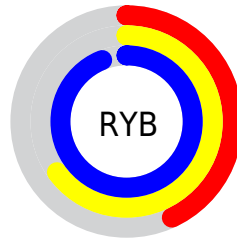
Distribution



Red (43%)

Green (83%)

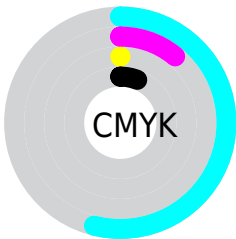
Blue (94%)



Red (43%)

Yellow (65%)

Blue (94%)

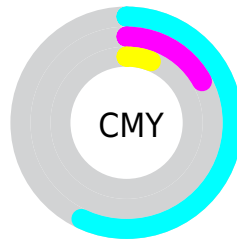


Cyan (54%)

Magenta (11%)

Yellow (0%)

Black (6%)



Cyan (57%)


Magenta (17%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 31.641, 224.964 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, 31.641, 224.964 by changing the saturation by 10% instead.


 80, 31.641,
224.964


 80, 31.641,
224.964


 100, 31.641,
224.964


 70, 31.641,
224.964

 60, 31.641,
224.964

 50, 31.641,
224.964

 40, 31.641,
224.964

 30, 31.641,
224.964

 20, 31.641,
224.964

 10, 31.641,

224.964

■ 0, 31.641, 224.964

■ 80, 31.641,
224.964

■ 80, 31.641,
224.964

■ 78, 35.339,
226.826

■ 82, 27.130,
223.537

■ 76, 38.188,
229.215

■ 85, 21.886,
222.466

■ 74, 40.218,
232.213

■ 88, 16.012,
221.683

■ 72, 41.546,
235.873

■ 90, 9.613, 221.138

■ 71, 42.151,
238.332

■ 93, 2.794, 220.899

■ 96, 4.353, 40.275

■ 98, 4.945, 75.035

■ 99, 6.681, 100.777

■ 100, 8.059,
109.565

Harmonies

Complementary

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



80, 31.641, 224.964



68, 47.934, 40.885

Rectangle

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



80, 31.641, 224.964



80, 31.641, 274.964



80, 31.641, 44.964



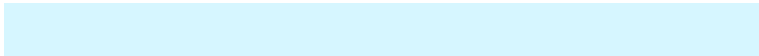
80, 31.641, 94.964

Sweetspot

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



80, 31.640, 224.962



95, 11.546, 221.234



85, 69.309, 145.488



50, 7.749, 221.338



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, 31.640, 224.962



82, 37.536, 227.098



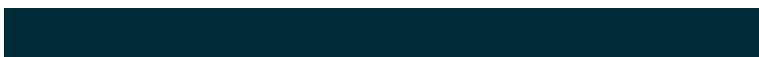
62, 50.999, 283.819



49, 3.969, 220.971



56, 34.505, 237.573



16, 14.879, 231.229

Inverse Universe

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



65, 68.470, 334.564



65, 83.421, 335.459



82, 49.842, 86.580



47, 7.443, 331.425



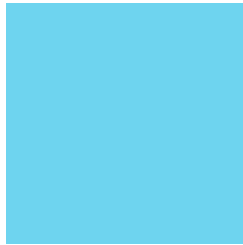
42, 76.797, 338.723



9, 34.260, 336.973

Previews

White Background



This preview shows how the CIE LCh color 80, 31.641, 224.964 looks on a white background.

Color Contrast Check

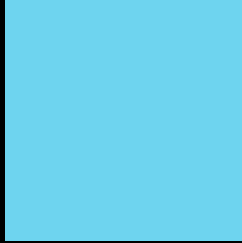
Large Text (above 18pt) WCAG AA × Fail

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 80, 31.641, 224.964 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, 31.641, 224.964

Background



This preview shows how black text looks on a background with the CIELCh color 80, 31.641, 224.964.




This preview shows how white text looks on a background with the CIELCh color 80, 31.641, 224.964.

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



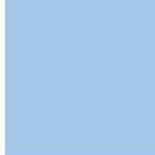


Tritanopia
80, 31.508, 215.348

Trichromacy



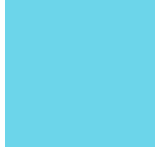
Original Color
80, 31.641, 224.964



Protanomaly
79, 20.158, 251.752



Deuteranomaly
79, 24.834, 264.137

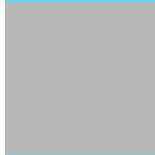


Tritanomaly
80, 31.528, 218.501

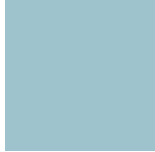
Monochromacy



Original Color
80, 31.641, 224.964



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 13.562, 222.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 31.641, 224.964 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(110, 212, 239)` looks like.

```
.text, #text, p{  
    color:rgb(110, 212, 239)  
}
```

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(110, 212, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 212, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 31.641, 224.964 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(110, 212, 239) }
```

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

```
.border{ border-color:rgb(110, 212, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 212, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 212, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 212, 239);  
box-shadow:4px 4px 4px 4px rgb(110, 212,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 31.641, 224.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 212, 239) }
```

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

```
.background{ background-color: rgb(110,  
212, 239) }
```

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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