

Converting Colors

CIELCh(77, 31.510, 235.613)

Have a look what the booklet for
CIELCh(77, 31.510, 235.613)
contains.

CIELCh(77, 31.464, 234.938)	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(77, 31.464, 234.938)

Conversions

Conversions Part 1

Format	Color
Hex	6DCAED
RGB	109, 202, 237
RGB Percent	43%, 79%, 93%
CMY	0.5731, 0.2083, 0.0711
CMYK	0.54, 0.15, 0.00, 0.07
HSL	196°, 78%, 68%
HSV	196°, 54%, 93%
XYZ	42.6482, 51.5317, 87.7208
YIQ	178.1830, -66.6630, -8.8310

Conversions

Conversions Part 2

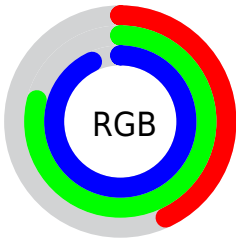
Format	Color
RYB	109, 163, 237
Decimal	7195373
CIELab	77.00, -18.07, -25.75
CIElCh	77, 31.464, 234.938
Yxy	51.5317, 0.2345, 0.2833
Android (android.graphics.Color)	4285385453 (0xFF6DCAED)
YUV	178.1830, 28.9968, -60.6735
Hunter-Lab	71.7856, -19.5771, -22.2015

Details

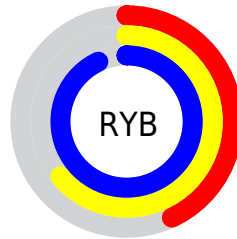
The CIELCh color **77, 31.464, 234.938** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **69, 46.142, 46.508**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.292, 197.735**, and **57, 31.464, 234.682** is the 20% darker color. If you saturate the color by 10%, you get **74, 35.450, 237.451**, and if you desaturate by 10%, it is **80, 26.798, 232.950**.

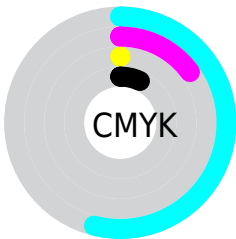
Distribution



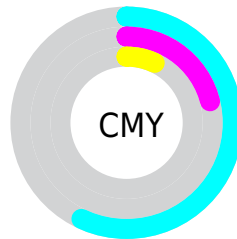
- Red (43%)
- Green (79%)
- Blue (93%)



- Red (43%)
- Yellow (64%)
- Blue (93%)



- Cyan (54%)
- Magenta (15%)
- Yellow (0%)
- Black (7%)




- Cyan (57%)
- Magenta (21%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 31.464, 234.938 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 77, 31.464, 234.938 by changing the saturation by 10% instead.


 77, 31.464,
234.938

 77, 31.464,
234.938


 100, 31.464,
234.938


 67, 31.464,
234.938


 97, 31.464,
234.938

 57, 31.464,
234.938

 47, 31.464,
234.938

 37, 31.464,
234.938

 27, 31.464,
234.938

 17, 31.464,
234.938

 7, 31.464, 234.938

■ 0, 31.464, 234.938

■ 77, 31.464,
234.938

■ 77, 31.464,
234.938

■ 74, 35.450,
237.451

■ 80, 26.798,
232.950

■ 72, 38.747,
240.585

■ 83, 21.511,
231.398

■ 70, 41.413,
244.411

■ 86, 15.685,
230.198

■ 67, 43.592,
248.934

■ 89, 9.408, 229.288

■ 66, 44.797,
251.841

■ 92, 2.770, 228.720

■ 96, 4.152, 47.818

■ 98, 5.936, 81.650

99, 8.526, 106.354

100, 9.176,
109.482

Harmonies

Complementary

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



77, 31.464, 234.938



69, 46.142, 46.508

Rectangle

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



77, 31.464, 234.938



77, 31.464, 284.938



77, 31.464, 54.938



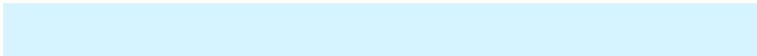
77, 31.464, 104.938

Sweetspot

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



77, 31.463, 234.937



94, 11.326, 229.451



85, 65.519, 147.742



50, 7.606, 229.628



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 31.463, 234.937



79, 37.949, 237.798



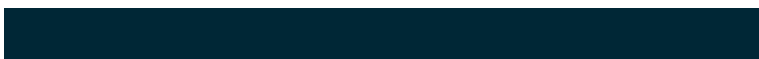
60, 55.538, 288.007



47, 3.818, 228.965



52, 36.393, 250.911



14, 14.892, 242.699

Inverse Universe

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



64, 65.235, 337.366



64, 80.000, 338.465



84, 52.030, 91.587



46, 6.986, 333.833



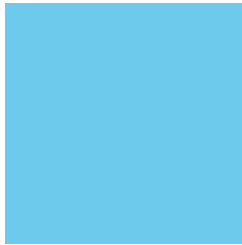
40, 72.654, 342.940



8, 31.987, 340.240

Previews

White Background



This preview shows how the CIELCh color 77, 31.464, 234.938 looks on a white background.

Color Contrast Check

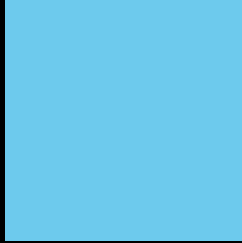
Large Text (above 18pt) WCAG AA × Fail

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 77, 31.464, 234.938 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 77, 31.464, 234.938

Background



This preview shows how black text looks on a background with the CIELCh color 77, 31.464, 234.938.



This preview shows how white text looks on a background with the CIELCh color 77, 31.464, 234.938.

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



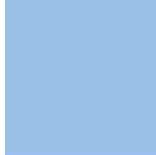


Tritanopia
77, 30.494, 213.949

Trichromacy



Original Color
77, 31.464, 234.938



Protanomaly
76, 23.620, 262.206



Deuteranomaly
77, 27.420, 266.943

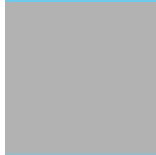


Tritanomaly
77, 30.459, 221.739

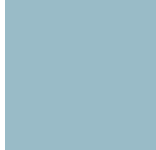
Monochromacy



Original Color
77, 31.464, 234.938



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 13.158, 228.402

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 31.464, 234.938 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(109, 202, 237)` looks like.

```
.text, #text, p{  
    color:rgb(109, 202, 237)  
}
```

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(109, 202, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 202, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 31.464, 234.938 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(109, 202, 237) }
```

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

```
.border{ border-color:rgb(109, 202, 237) }
```

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

Here you see how a box with a 4 pixel rgb(109, 202, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 202, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 202, 237);  
box-shadow:4px 4px 4px 4px rgb(109, 202,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 31.464, 234.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 202, 237) }
```

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

```
.background{ background-color: rgb(109,  
202, 237) }
```

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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