

Converting Colors

CIELCh(77, 32.537, 233.189)

Have a look what the booklet for
CIELCh(77, 32.537, 233.189)
contains.

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Color

CIELCh(77, 32.411, 232.401)

Conversions

Conversions Part 1

Format	Color
Hex	67CBED
RGB	103, 203, 237
RGB Percent	40%, 80%, 93%
CMY	0.5974, 0.2051, 0.0718
CMYK	0.57, 0.14, 0.00, 0.07
HSL	195°, 79%, 67%
HSV	195°, 57%, 93%
XYZ	42.0825, 51.5317, 87.6148
YIQ	176.9760, -70.5140, -10.6260

Conversions

Conversions Part 2

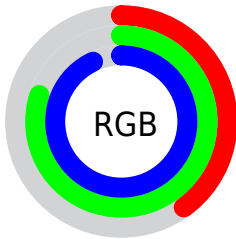
Format	Color
RYB	103, 160, 237
Decimal	6802413
CIELab	77.00, -19.77, -25.68
CIELCh	77, 32.411, 232.401
Yxy	51.5317, 0.2322, 0.2843
Android (android.graphics.Color)	4284992493 (0xFF67CBED)
YUV	176.9760, 29.5918, -64.8770
Hunter-Lab	71.7856, -20.9838, -22.1139

Details

The CIELCh color **77, 32.411, 232.401** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **67, 49.239, 44.779**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.614, 197.654**, and **57, 32.387, 232.060** is the 20% darker color. If you saturate the color by 10%, you get **75, 36.079, 234.874**, and if you desaturate by 10%, it is **80, 28.010, 230.455**.

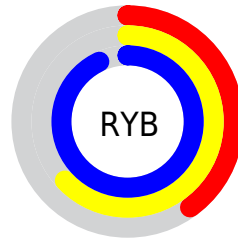
Distribution



Red (40%)

Green (80%)

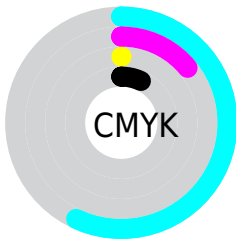
Blue (93%)



Red (40%)

Yellow (63%)

Blue (93%)

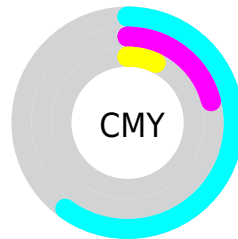


Cyan (57%)

Magenta (14%)

Yellow (0%)

Black (7%)



Cyan (60%)


Magenta (21%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 32.411, 232.401 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, 32.411, 232.401 by changing the saturation by 10% instead.


 77, 32.411,
232.401


 77, 32.411,
232.401


 100, 32.411,
232.401


 67, 32.411,
232.401


 97, 32.411,
232.401

 57, 32.411,
232.401

 47, 32.411,
232.401

 37, 32.411,
232.401

 27, 32.411,
232.401

 17, 32.411,
232.401

 7, 32.411, 232.401

0, 32.411, 232.401

77, 32.411,
232.401

77, 32.411,
232.401

75, 36.079,
234.874

80, 28.010,
230.455

72, 39.013,
237.970

82, 22.935,
228.946

70, 41.282,
241.757

85, 17.267,
227.790

68, 43.052,
246.233

88, 11.102,
226.922

68, 43.623,
247.810

92, 4.533, 226.331

95, 2.354, 45.447

97, 5.488, 67.610

■ 99, 7.274, 97.460

■ 100, 9.266,
109.475

Harmonies

Complementary

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



77, 32.411, 232.401



67, 49.239, 44.779

Rectangle

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



77, 32.411, 232.401



77, 32.411, 282.401



77, 32.411, 52.401



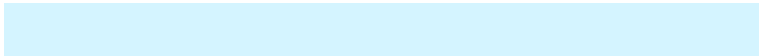
77, 32.411, 102.401

Sweetspot

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



77, 32.410, 232.400



94, 12.047, 226.956



85, 69.152, 146.795



50, 8.014, 227.112



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, 32.410, 232.400



79, 38.737, 235.341



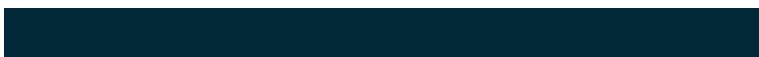
59, 57.090, 287.719



48, 3.836, 226.463



53, 35.507, 246.917



14, 14.691, 239.091

Inverse Universe

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



63, 68.675, 336.700



63, 83.553, 337.801



83, 53.700, 90.034



46, 7.085, 333.065



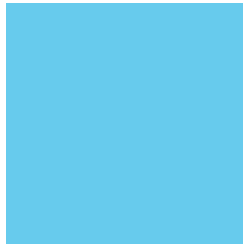
41, 73.642, 341.578



8, 32.379, 339.161

Previews

White Background



This preview shows how the CIELCh color 77, 32.411, 232.401 looks on a white background.

Color Contrast Check

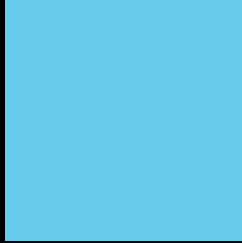
Large Text (above 18pt) WCAG AA × Fail

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, 32.411, 232.401 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, 32.411, 232.401

Background



This preview shows how black text looks on a background with the CIELCh color 77, 32.411, 232.401.



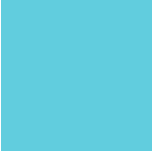
This preview shows how white text looks on a background with the CIELCh color 77, 32.411, 232.401.

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



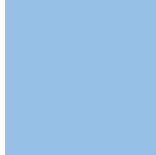


Tritanopia
77, 31.700, 214.268

Trichromacy



Original Color
77, 32.411, 232.401



Protanomaly
76, 23.150, 258.674



Deuteranomaly
76, 28.020, 267.009



Tritanomaly
77, 31.572, 220.771

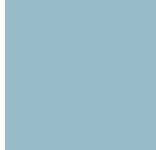
Monochromacy



Original Color
77, 32.411, 232.401



Achromatopsia
72, 0.009, 296.813



Achromatomaly
73, 13.945, 229.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 32.411, 232.401 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(103, 203, 237)` looks like.

```
.text, #text, p{  
    color:rgb(103, 203, 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(103, 203, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 203, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 32.411, 232.401 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(103, 203, 237) }
```

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

```
.border{ border-color:rgb(103, 203, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 203, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 203, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 203, 237);  
box-shadow:4px 4px 4px 4px rgb(103, 203,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 32.411, 232.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 203, 237) }
```

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

```
.background{ background-color: rgb(103,  
203, 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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