

Converting Colors

CIELCh(77, 34.494, 223.515)

Have a look what the booklet for
CIELCh(77, 34.494, 223.515)
contains.

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Color

CIELCh(77, 34.465, 223.562)

Conversions

Conversions Part 1

Format	Color
Hex	56CDE9
RGB	86, 205, 233
RGB Percent	34%, 80%, 91%
CMY	0.6626, 0.1960, 0.0862
CMYK	0.63, 0.12, 0.00, 0.09
HSL	191°, 77%, 63%
HSV	191°, 63%, 91%
XYZ	40.3834, 51.5317, 84.9187
YIQ	172.6110, -79.9120, -16.5200

Conversions

Conversions Part 2

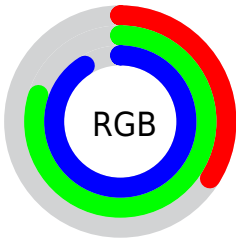
Format	Color
RYB	86, 152, 233
Decimal	5688809
CIELab	77.00, -24.97, -23.75
CIElCh	77, 34.465, 223.562
Yxy	51.5317, 0.2284, 0.2914
Android (android.graphics.Color)	4283878889 (0xFF56CDE9)
YUV	172.6110, 29.7718, -75.9578
Hunter-Lab	71.7856, -25.2087, -19.8871

Details

The CIELCh color **77, 34.465, 223.562** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **62, 57.348, 40.078**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.132, 197.441**, and **57, 33.166, 223.893** is the 20% darker color. If you saturate the color by 10%, you get **75, 37.254, 225.646**, and if you desaturate by 10%, it is **79, 30.809, 221.953**.

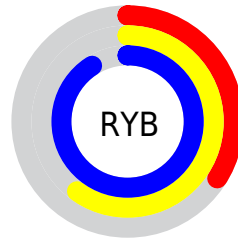
Distribution



Red (34%)

Green (80%)

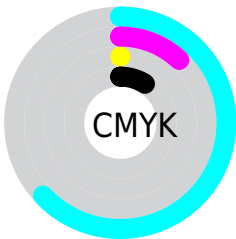
Blue (91%)



Red (34%)

Yellow (60%)

Blue (91%)

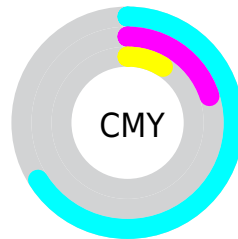


Cyan (63%)

Magenta (12%)

Yellow (0%)

Black (9%)



Cyan (66%)

Magenta (20%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 34.465, 223.562 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, 34.465, 223.562 by changing the saturation by 10% instead.

 77, 34.465,
223.562

 77, 34.465,
223.562


 100, 34.465,
223.562

 67, 34.465,
223.562


 97, 34.465,
223.562

 57, 34.465,
223.562

 47, 34.465,
223.562

 37, 34.465,
223.562

 27, 34.465,
223.562

 17, 34.465,
223.562

 7, 34.465, 223.562

0, 34.465, 223.562

77, 34.465,
223.562

77, 34.465,
223.562

75, 37.254,
225.646

79, 30.809,
221.953

73, 39.193,
228.289

81, 26.335,
220.738

72, 40.379,
231.550

84, 21.127,
219.845

71, 40.917,
234.104

86, 15.290,
219.211

89, 8.932, 218.795

91, 2.159, 218.722

94, 4.938, 38.149

■ 96, 6.468, 55.914

■ 97, 7.065, 78.825

Harmonies

Complementary

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



77, 34.465, 223.562



62, 57.348, 40.078

Rectangle

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



77, 34.465, 223.562



77, 34.465, 273.562



77, 34.465, 43.562



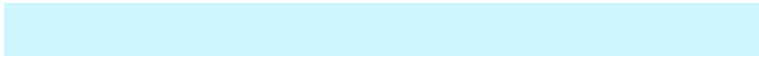
77, 34.465, 93.562

Sweetspot

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



77, 34.464, 223.561



94, 13.715, 219.020



83, 78.755, 143.694



50, 9.353, 219.154



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, 34.464, 223.561



81, 40.665, 226.450



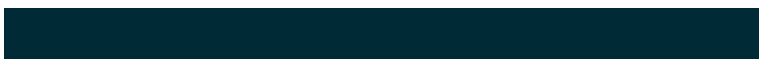
57, 57.651, 285.323



48, 3.938, 218.700



56, 33.832, 233.427



16, 14.417, 227.350

Inverse Universe

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



60, 76.944, 334.464



61, 92.948, 335.512



78, 56.275, 83.903



46, 7.411, 330.757



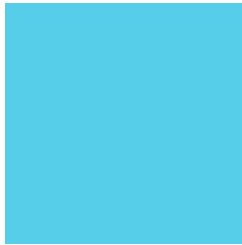
41, 77.084, 337.566



9, 33.711, 335.953

Previews

White Background



This preview shows how the CIE LCh color 77, 34.465, 223.562 looks on a white background.

Color Contrast Check

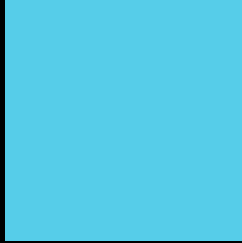
Large Text (above 18pt) WCAG AA × Fail

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, 34.465, 223.562 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, 34.465, 223.562

Background



This preview shows how black text looks on a background with the CIELCh color 77, 34.465, 223.562.



This preview shows how white text looks on a background with the CIELCh color 77, 34.465, 223.562.

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



Original Color

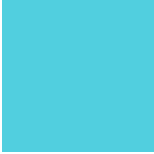
77, 34.465, 223.562

Protanopia

77, 18.337, 286.542

Deuteranopia

77, 27.989, 290.718



Tritanopia
77, 34.830, 211.559

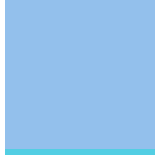
Trichromacy



Original Color
77, 34.465, 223.562



Protanomaly
76, 21.914, 248.626



Deuteranomaly
76, 26.905, 261.207

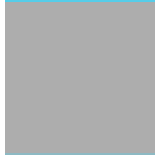


Tritanomaly
77, 34.491, 216.535

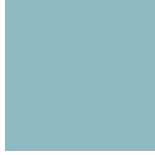
Monochromacy



Original Color
77, 34.465, 223.562



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 15.679, 218.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 34.465, 223.562 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(86, 205, 233)` looks like.

```
.text, #text, p{  
    color:rgb(86, 205, 233)  
}
```

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(86, 205, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 205, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 34.465, 223.562 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(86, 205, 233) }
```

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

```
.border{ border-color:rgb(86, 205, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 205, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 205, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 205, 233);  
box-shadow:4px 4px 4px 4px rgb(86, 205,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 34.465, 223.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 205, 233) }
```

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

```
.background{ background-color: rgb(86, 205,  
233) }
```

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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