

# Converting Colors

CIELCh(77, 32.034, 221.467)

Have a look what the booklet for  
CIELCh(77, 32.034, 221.467)  
contains.

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# **Color**

**CIELCh(77, 32.034, 221.467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61CCE4
RGB	97, 204, 228
RGB Percent	38%, 80%, 89%
CMY	0.6181, 0.1986, 0.1045
CMYK	0.57, 0.11, 0.00, 0.10
HSL	191°, 71%, 64%
HSV	191°, 57%, 90%
XYZ	40.6969, 51.5317, 81.4539
YIQ	174.7430, -71.4760, -15.2200

# Conversions

## Conversions Part 2

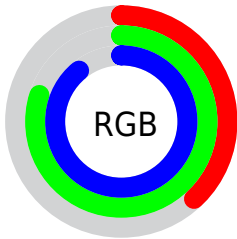
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	97, 156, 228
Decimal	6409444
CIE Lab	77.00, -24.00, -21.21
CIE LCh	77, 32.034, 221.467
Yxy	51.5317, 0.2343, 0.2967
Android (android.graphics.Color)	4284599524 (0xFF61CCE4)
YUV	174.7430, 26.2557, -68.1806
Hunter-Lab	71.7856, -24.4292, -17.0254

# Details

The CIELCh color **77, 32.034, 221.467** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 50.460, 39.007**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.902, 197.576**, and **57, 32.097, 221.441** is the 20% darker color. If you saturate the color by 10%, you get **75, 35.258, 223.175**, and if you desaturate by 10%, it is **79, 27.968, 220.168**.

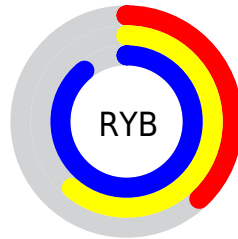
# Distribution



Red (38%)

Green (80%)

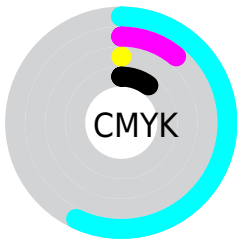
Blue (89%)



Red (38%)

Yellow (61%)

Blue (89%)

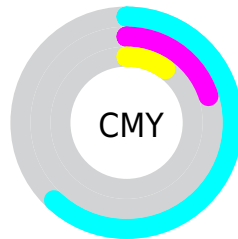


Cyan (57%)

Magenta (11%)

Yellow (0%)

Black (10%)



Cyan (62%)

Magenta (20%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 32.034, 221.467 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, 32.034, 221.467 by changing the saturation by 10% instead.





 77, 32.034,  
221.467

 77, 32.034,  
221.467


 100, 32.034,  
221.467


 67, 32.034,  
221.467


 97, 32.034,  
221.467

 57, 32.034,  
221.467

 47, 32.034,  
221.467

 37, 32.034,  
221.467

 27, 32.034,  
221.467

 17, 32.034,  
221.467

 7, 32.034, 221.467

0, 32.034, 221.467

77, 32.034,  
221.467

77, 32.034,  
221.467

75, 35.258,  
223.175

79, 27.968,  
220.168

73, 37.616,  
225.379

81, 23.133,  
219.209

72, 39.150,  
228.150

84, 17.627,  
218.523

70, 40.004,  
231.521

86, 11.558,  
218.062

70, 40.190,  
232.462

89, 5.033, 217.818

91, 1.852, 37.192

94, 8.224, 39.057

■ 95, 7.897, 57.482

■ 96, 8.408, 75.438

# Harmonies

# Complementary

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



77, 32.034, 221.467



63, 50.460, 39.007

# Rectangle

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



77, 32.034, 221.467



77, 32.034, 271.467



77, 32.034, 41.467



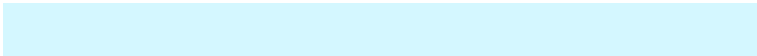
77, 32.034, 91.467

# Sweetspot

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



77, 32.033, 221.466



95, 12.395, 218.053



82, 72.246, 144.003



50, 8.239, 218.129



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, 32.033, 221.466



83, 38.934, 223.588



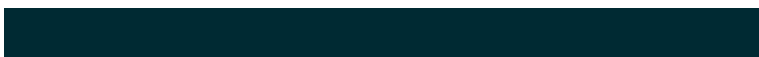
59, 50.007, 282.392



47, 3.884, 217.845



56, 33.401, 231.815



15, 13.986, 225.671



# Inverse Universe

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



61, 70.647, 333.740



63, 88.357, 334.628



77, 49.938, 83.390



45, 7.315, 330.506



41, 76.700, 337.129

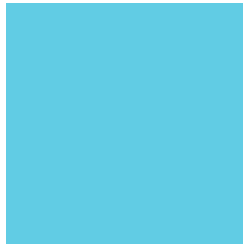


8, 32.879, 335.521



# Previews

## White Background



This preview shows how the CIE LCh color 77, 32.034, 221.467 looks on a white background.

## Color Contrast Check

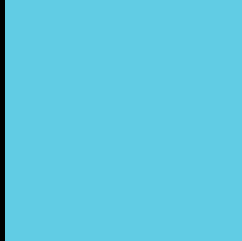
Large Text (above 18pt) WCAG AA × Fail

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, 32.034, 221.467 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, 32.034, 221.467**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 77, 32.034, 221.467.



This preview shows how white text looks on a background with the CIELCh color 77, 32.034, 221.467.

# 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





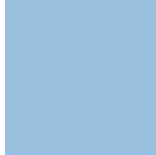


**Tritanopia**  
77, 32.071, 214.044

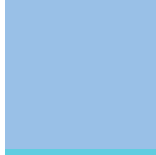
# Trichromacy



**Original Color**  
77, 32.034, 221.467



**Protanomaly**  
76, 19.504, 249.722



**Deuteranomaly**  
76, 23.894, 260.946

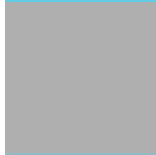


**Tritanomaly**  
77, 31.989, 216.170

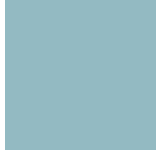
# Monochromacy



**Original Color**  
77, 32.034, 221.467



**Achromatopsia**  
71, 0.009, 296.813



**Achromatomaly**  
73, 13.943, 216.704

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 32.034, 221.467 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(97, 204, 228)` looks like.

```
.text, #text, p{  
    color:rgb(97, 204, 228)  
}
```

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(97, 204, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 204, 228) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 32.034, 221.467 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(97, 204, 228) }
```

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

```
.border{ border-color:rgb(97, 204, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 204, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 204, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 204, 228);  
box-shadow:4px 4px 4px 4px rgb(97, 204,  
228) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 32.034, 221.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 204, 228) }
```

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

```
.background{ background-color: rgb(97, 204,  
228) }
```

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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