

Converting Colors

CIELCh(77, 39.097, 173.106)

Have a look what the booklet for
CIELCh(77, 39.097, 173.106)
contains.

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Color

CIELCh(77, 39.036, 172.994)

Conversions

Conversions Part 1

Format	Color
Hex	62D1B4
RGB	98, 209, 180
RGB Percent	38%, 82%, 71%
CMY	0.6154, 0.1801, 0.2939
CMYK	0.53, 0.00, 0.14, 0.18
HSL	164°, 55%, 60%
HSV	164°, 53%, 82%
XYZ	36.1058, 51.5317, 51.2579
YIQ	172.5050, -56.8470, -32.5510

Conversions

Conversions Part 2

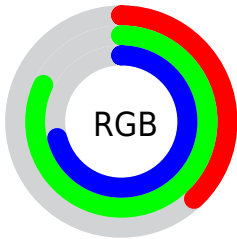
Format	Color
RYB	98, 162, 209
Decimal	6476212
CIELab	77.00, -38.74, 4.76
CIELCh	77, 39.036, 172.994
Yxy	51.5317, 0.2599, 0.3710
Android (android.graphics.Color)	4284666292 (0xFF62D1B4)
YUV	172.5050, 3.6950, -65.3409
Hunter-Lab	71.7856, -35.8452, 7.9144

Details

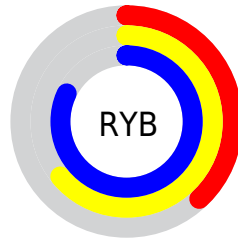
The CIELCh color **77, 39.036, 172.994** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **56, 46.962, 6.246**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.338, 180.149**, and **57, 39.227, 172.700** is the 20% darker color. If you saturate the color by 10%, you get **76, 44.617, 171.579**, and if you desaturate by 10%, it is **78, 32.711, 174.271**.

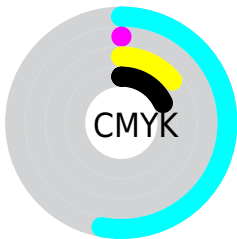
Distribution



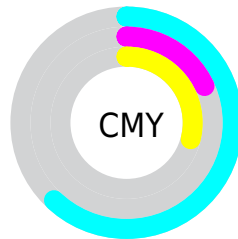
- Red (38%)
- Green (82%)
- Blue (71%)



- Red (38%)
- Yellow (64%)
- Blue (82%)



- Cyan (53%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)



- Cyan (62%)
- Magenta (18%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 39.036, 172.994 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, 39.036, 172.994 by changing the saturation by 10% instead.


 77, 39.036,
172.994

 77, 39.036,
172.994


 100, 39.036,
172.994


 67, 39.036,
172.994


 97, 39.036,
172.994

 57, 39.036,
172.994

 47, 39.036,
172.994

 37, 39.036,
172.994

 27, 39.036,
172.994

 17, 39.036,
172.994

 7, 39.036, 172.994

0, 39.036, 172.994

77, 39.036,
172.994

77, 39.036,
172.994

76, 44.617,
171.579

78, 32.711,
174.271

76, 49.364,
170.005

79, 25.761,
175.439

75, 53.242,
168.249

80, 18.323,
176.517

75, 56.291,
166.302

82, 10.529,
177.533

75, 58.056,
164.890

83, 2.505, 178.621

85, 5.643, 359.210

87, 13.827, 0.101

■ 88, 18.426,
356.383

■ 88, 19.652,
348.736

Harmonies

Complementary

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



77, 39.036, 172.994



56, 46.962, 6.246

Rectangle

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



77, 39.036, 172.994



77, 39.036, 222.994



77, 39.036, 352.994



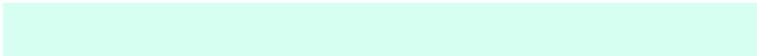
77, 39.036, 42.994

Sweetspot

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



77, 39.037, 172.993



97, 15.064, 177.223



77, 65.093, 133.955



51, 10.143, 177.013



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, 39.037, 172.993



91, 52.799, 171.332



70, 28.023, 228.442



43, 4.581, 177.902



61, 49.151, 165.235



14, 17.622, 169.922

Inverse Universe

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



56, 46.962, 6.246



62, 65.852, 9.330



61, 41.543, 42.895



41, 4.724, 359.530



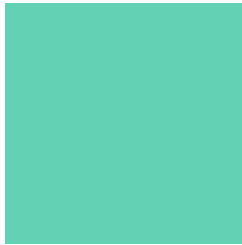
35, 65.367, 24.082



4, 20.366, 7.425

Previews

White Background



This preview shows how the CIE LCh color 77, 39.036, 172.994 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 77, 39.036, 172.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

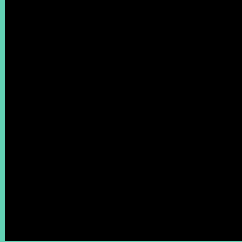
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

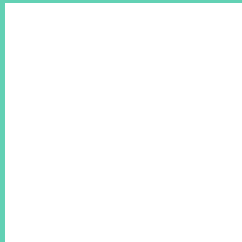
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 39.036, 172.994

Background



This preview shows how black text looks on a background with the CIELCh color 77, 39.036, 172.994.



This preview shows how white text looks on a background with the CIELCh color 77, 39.036, 172.994.

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

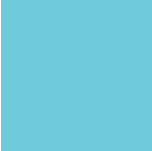
77, 39.036, 172.994

Protanopia

76, 10.743, 90.287

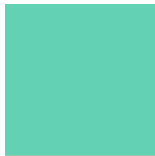
Deuteranopia

77, 9.585, 10.536



Tritanopia
77, 28.463, 216.482

Trichromacy



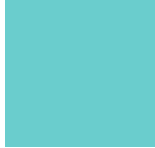
Original Color
77, 39.036, 172.994



Protanomaly
76, 17.989, 154.723



Deuteranomaly
76, 9.804, 172.587

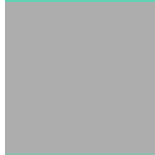


Tritanomaly
77, 30.296, 197.226

Monochromacy



Original Color
77, 39.036, 172.994



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 15.453, 177.529

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 39.036, 172.994 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(98, 209, 180)` looks like.

```
.text, #text, p{  
    color:rgb(98, 209, 180)  
}
```

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(98, 209, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 209, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 39.036, 172.994 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(98, 209, 180) }
```

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

```
.border{ border-color:rgb(98, 209, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 209, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 209, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 209, 180);  
box-shadow:4px 4px 4px 4px rgb(98, 209,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 39.036, 172.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 209, 180) }
```

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

```
.background{ background-color: rgb(98, 209,  
180) }
```

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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