

Converting Colors

CIELCh(77, 24.101, 201.017)

Have a look what the booklet for
CIELCh(77, 24.101, 201.017)
contains.

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Color

CIELCh(77, 24.171, 200.232)

Conversions

Conversions Part 1

Format	Color
Hex	80CBCD
RGB	128, 203, 205
RGB Percent	50%, 80%, 80%
CMY	0.4992, 0.2051, 0.1972
CMYK	0.38, 0.01, 0.00, 0.20
HSL	182°, 43%, 65%
HSV	182°, 38%, 80%
XYZ	41.1275, 51.5317, 65.3497
YIQ	180.8030, -45.3420, -15.2780

Conversions

Conversions Part 2

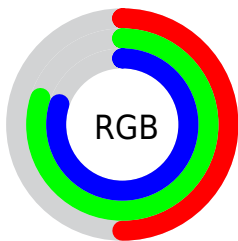
Format	Color
R_{YB}	128, 166, 205
Decimal	8440781
CIE _{Lab}	77.00, -22.68, -8.36
CIE _{LCh}	77, 24.171, 200.232
Yxy	51.5317, 0.2603, 0.3261
Android (android.graphics.Color)	4286630861 (0xFF80CBCD)
YUV	180.8030, 11.9291, -46.3082
Hunter-Lab	71.7856, -23.3584, -3.7245

Details

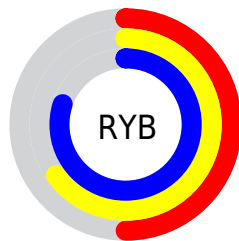
The CIELCh color **77, 24.171, 200.232** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **62, 31.603, 24.749**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.846, 198.009**, and **57, 24.277, 199.935** is the 20% darker color. If you saturate the color by 10%, you get **76, 29.123, 200.015**, and if you desaturate by 10%, it is **78, 18.494, 200.527**.

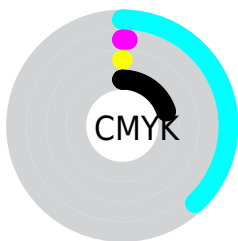
Distribution



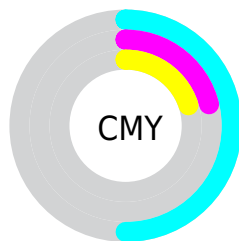
- Red (50%)
- Green (80%)
- Blue (80%)



- Red (50%)
- Yellow (65%)
- Blue (80%)



- Cyan (38%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



- Cyan (50%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 24.171, 200.232 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, 24.171, 200.232 by changing the saturation by 10% instead.


 77, 24.171,
200.232

 77, 24.171,
200.232


 100, 24.171,
200.232


 67, 24.171,
200.232


 97, 24.171,
200.232


 57, 24.171,
200.232

 47, 24.171,
200.232

 37, 24.171,
200.232

 27, 24.171,
200.232

 17, 24.171,
200.232

 7, 24.171, 200.232

0, 24.171, 200.232

77, 24.171,
200.232

77, 24.171,
200.232

76, 29.123,
200.015

78, 18.494,
200.527

75, 33.251,
199.895

80, 12.206,
200.903

74, 36.485,
199.877

81, 5.424, 201.380

83, 1.740, 21.417

74, 38.795,
199.969

85, 9.185, 22.182

74, 40.210,
200.174

86, 16.827, 22.739

73, 40.846,
200.486

87, 18.370, 23.529

■ 73, 40.950,
200.567

■ 87, 18.190, 24.400

■ 87, 18.014, 25.289

Harmonies

Complementary

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



77, 24.171, 200.232



62, 31.603, 24.749

Rectangle

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



77, 24.171, 200.232



77, 24.171, 250.232



77, 24.171, 20.232



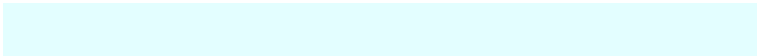
77, 24.171, 70.232

Sweetspot

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



77, 24.171, 200.229



98, 9.282, 201.194



76, 49.485, 142.080



52, 6.213, 201.128



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, 24.171, 200.229



93, 33.252, 200.052



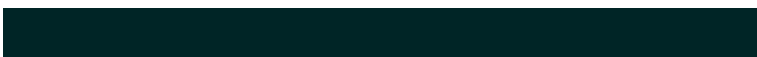
66, 24.509, 263.567



42, 4.012, 201.282



60, 35.021, 200.503



12, 13.131, 199.626

Inverse Universe

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



64, 49.107, 327.187



74, 69.432, 327.588



71, 26.956, 72.436



40, 7.407, 325.636



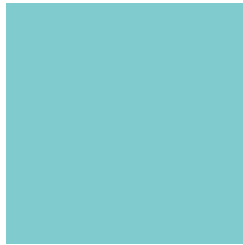
39, 82.040, 329.282



5, 28.446, 328.340

Previews

White Background



This preview shows how the CIELCh color 77, 24.171, 200.232 looks on a white background.

Color Contrast Check

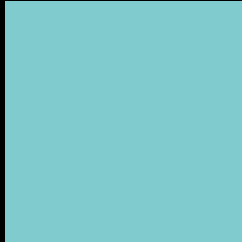
Large Text (above 18pt) WCAG AA × Fail

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, 24.171, 200.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

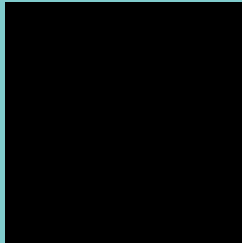
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

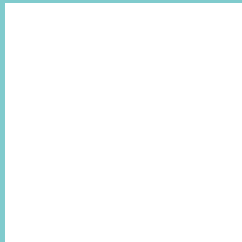
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 24.171, 200.232

Background



This preview shows how black text looks on a background with the CIELCh color 77, 24.171, 200.232.



This preview shows how white text looks on a background with the CIELCh color 77, 24.171, 200.232.

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



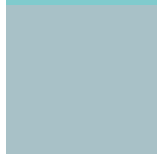


Tritanopia
77, 23.296, 219.770

Trichromacy



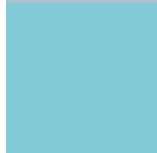
Original Color
77, 24.171, 200.232



Protanomaly
76, 9.280, 219.250



Deuteranomaly
76, 10.498, 254.409

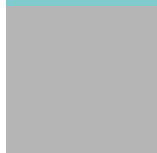


Tritanomaly
77, 23.361, 212.603

Monochromacy



Original Color
77, 24.171, 200.232



Achromatopsia
74, 0.009, 296.813



Achromatomaly
75, 9.603, 201.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 24.171, 200.232 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(128, 203, 205)` looks like.

```
.text, #text, p{  
    color:rgb(128, 203, 205)  
}
```

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(128, 203, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 203, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 24.171, 200.232 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(128, 203, 205) }
```

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

```
.border{ border-color:rgb(128, 203, 205) }
```

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

Here you see how a box with a 4 pixel rgb(128, 203, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 203, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 203, 205);  
box-shadow:4px 4px 4px 4px rgb(128, 203,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 24.171, 200.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 203, 205) }
```

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

```
.background{ background-color: rgb(128,  
203, 205) }
```

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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