

Converting Colors

CIELCh(75, 78.024, 102.875)

Have a look what the booklet for
CIELCh(75, 78.024, 102.875)
contains.

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Color

CIELCh(75, 77.980, 102.852)

Conversions

Conversions Part 1

Format	Color
Hex	BFBF00
RGB	191, 191, 0
RGB Percent	75%, 75%, 0%
CMY	0.2514, 0.2514, 1.0000
CMYK	0.00, 0.00, 1.00, 0.25
HSL	60°, 100%, 37%
HSV	60°, 100%, 75%
XYZ	40.0646, 48.2781, 7.1984
YIQ	169.2260, 61.3110, -59.4010

Conversions

Conversions Part 2

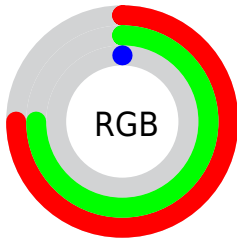
Format	Color
RYB	0, 191, 0
Decimal	12566272
CIELab	75.00, -17.35, 76.03
CIELCh	75, 77.980, 102.852
Yxy	48.2781, 0.4193, 0.5053
Android (android.graphics.Color)	4290756352 (0xFFBFBF00)
YUV	169.2260, -83.4284, 19.0958
Hunter-Lab	69.4824, -18.6685, 42.4953

Details

The CIELCh color **75, 77.980, 102.852** is a dark color, and the websafe version is hex **CCCC00**. A complement of this color would be **23, 107.635, 306.287**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 77.854, 102.869**, and **55, 61.450, 105.040** is the 20% darker color. If you saturate the color by 10%, you get **75, 77.950, 102.857**, and if you desaturate by 10%, it is **75, 75.737, 103.052**.

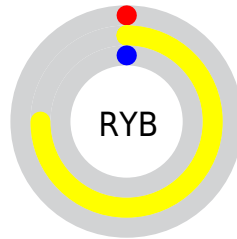
Distribution



Red (75%)

Green (75%)

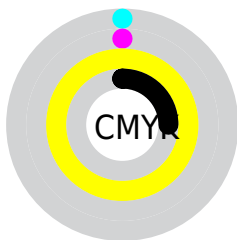
Blue (0%)



Red (0%)

Yellow (75%)

Blue (0%)

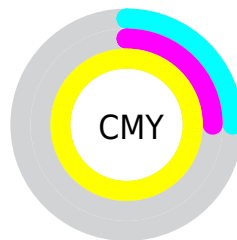


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 77.980, 102.852 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 75, 77.980, 102.852 by changing the saturation by 10% instead.


 75, 77.980,
102.852


 75, 77.980,
102.852


 100, 77.980,
102.852


 65, 77.980,
102.852


 95, 77.980,
102.852

 55, 77.980,
102.852

 45, 77.980,
102.852

 35, 77.980,
102.852

 25, 77.980,
102.852

 15, 77.980,
102.852

 5, 77.980, 102.852

■ 0, 77.980, 102.852

■ 75, 77.980,
102.852

■ 75, 77.980,
102.852

■ 75, 77.950,
102.857

■ 75, 75.737,
103.052

■ 75, 71.677,
103.414

■ 75, 65.642,
103.962

■ 75, 58.072,
104.663

■ 76, 49.435,
105.477

■ 76, 40.108,
106.367

■ 76, 30.353,
107.303

■ 76, 20.347,
108.262

■ 77, 10.202,
109.222

Harmonies

Complementary

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



75, 77.980, 102.852



23, 107.635, 306.287

Rectangle

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



75, 77.980, 102.852



75, 77.980, 152.852



75, 77.980, 282.852



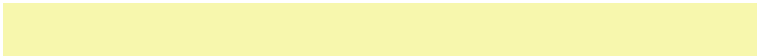
75, 77.980, 332.852

Sweetspot

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



75, 77.950, 102.857



96, 37.448, 107.258



40, 84.116, 40.000



51, 25.669, 106.855



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75, 77.950, 102.857



95, 94.699, 102.857



69, 87.779, 128.081



40, 5.728, 109.285



63, 67.797, 102.857



11, 16.898, 107.648

Inverse Universe

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



23, 107.635, 306.287



31, 130.763, 306.287



30, 100.395, 311.871



36, 5.854, 291.141



18, 93.615, 306.287



1, 17.439, 290.640

Previews

White Background



This preview shows how the CIELCh color 75, 77.980, 102.852 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 75, 77.980, 102.852 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 75, 77.980, 102.852

Background



This preview shows how black text looks on a background with the CIELCh color 75, 77.980, 102.852.



This preview shows how white text looks on a background with the CIELCh color 75, 77.980, 102.852.

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

75, 77.980, 102.852

Protanopia

75, 76.898, 95.126

Deuteranopia

75, 74.064, 82.506



Tritanopia
75, 12.305, 342.647

Trichromacy



Original Color
75, 77.980, 102.852

Protanomaly
75, 77.062, 97.852

Deuteranomaly
75, 74.841, 90.160

Tritanomaly
74, 32.848, 94.492

Monochromacy



Original Color
75, 77.980, 102.852

Achromatopsia
69, 0.009, 296.813

Achromatomaly
71, 36.803, 106.476

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 77.980, 102.852 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(191, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 191, 0)  
}
```

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(191, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 191, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 77.980, 102.852 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(191, 191, 0) }
```

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

```
.border{ border-color:rgb(191, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 191,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 77.980, 102.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 191, 0) }
```

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

```
.background{ background-color: rgb(191,  
191, 0) }
```

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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