

Converting Colors

CIELCh(75, 82.656, 105.474)

Have a look what the booklet for
CIELCh(75, 82.656, 105.474)
contains.

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Color

CIELCh(75, 78.724, 105.740)

Conversions

Conversions Part 1

Format	Color
Hex	B8C100
RGB	184, 193, 0
RGB Percent	72%, 76%, 0%
CMY	0.2788, 0.2435, 1.0000
CMYK	0.05, 0.00, 1.00, 0.24
HSL	63°, 100%, 38%
HSV	63°, 100%, 76%
XYZ	38.7926, 48.2781, 7.2665
YIQ	168.3070, 56.5890, -61.9310

Conversions

Conversions Part 2

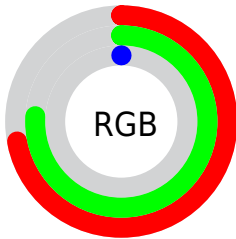
Format	Color
R _Y B	0, 193, 9
Decimal	12108032
CIE Lab	75.00, -21.36, 75.77
CIE LCh	75, 78.724, 105.740
Yxy	48.2781, 0.4112, 0.5118
Android (android.graphics.Color)	4290298112 (0xFFB8C100)
YUV	168.3070, -82.9754, 13.7628
Hunter-Lab	69.4824, -21.9363, 42.4371

Details

The CIELCh color **75, 78.724, 105.740** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **23, 108.248, 306.418**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 78.594, 105.591**, and **55, 62.456, 108.830** is the 20% darker color. If you saturate the color by 10%, you get **75, 78.699, 105.745**, and if you desaturate by 10%, it is **75, 76.457, 105.722**.

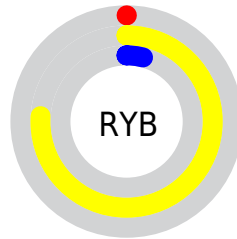
Distribution



Red (72%)

Green (76%)

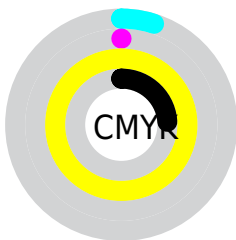
Blue (0%)



Red (0%)

Yellow (76%)

Blue (4%)

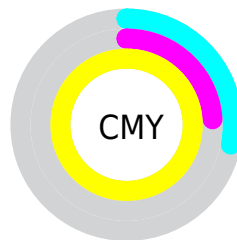


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (28%)


Magenta (24%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 78.724, 105.740 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, 78.724, 105.740 by changing the saturation by 10% instead.


 75, 78.724,
105.740


 75, 78.724,
105.740


 100, 78.724,
105.740


 65, 78.724,
105.740


 95, 78.724,
105.740

 55, 78.724,
105.740

 45, 78.724,
105.740

 35, 78.724,
105.740

 25, 78.724,
105.740

 15, 78.724,
105.740

 5, 78.724, 105.740

■ 0, 78.724, 105.740

■ 75, 78.724,
105.740

■ 75, 78.724,
105.740

■ 75, 78.699,
105.745

■ 75, 76.457,
105.722

■ 75, 72.349,
105.913

■ 75, 66.250,
106.334

■ 76, 58.607,
106.936

■ 76, 49.891,
107.669

■ 76, 40.480,
108.486

■ 77, 30.638,
109.353

■ 77, 20.539,
110.242

■ 77, 10.299,
111.132

Harmonies

Complementary

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



75, 78.724, 105.740



23, 108.248, 306.418

Rectangle

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



75, 78.724, 105.740



75, 78.724, 155.740



75, 78.724, 285.740



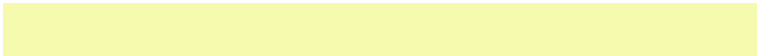
75, 78.724, 335.740

Sweetspot

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



75, 78.699, 105.745



96, 37.790, 109.311



40, 84.319, 40.332



51, 25.689, 108.939



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, 78.699, 105.745



95, 95.608, 105.790



70, 89.422, 129.152



41, 5.861, 111.188



63, 68.716, 105.707



12, 18.655, 109.579

Inverse Universe

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



23, 108.248, 306.418



32, 131.577, 306.382



31, 100.465, 312.648



37, 5.990, 292.902



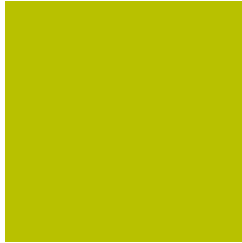
18, 94.471, 306.450



1, 19.494, 292.399

Previews

White Background



This preview shows how the CIELCh color 75, 78.724, 105.740 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 75, 78.724, 105.740 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, 78.724, 105.740

Background



This preview shows how black text looks on a background with the CIELCh color 75, 78.724, 105.740.



This preview shows how white text looks on a background with the CIELCh color 75, 78.724, 105.740.

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, 78.724, 105.740

Protanopia
75, 76.898, 95.126

Deuteranopia
75, 73.612, 82.426



Tritanopia
75, 10.109, 331.862

Trichromacy



Original Color
75, 78.724, 105.740

Protanomaly
75, 77.219, 99.203

Deuteranomaly
75, 74.397, 91.551

Tritanomaly
74, 32.654, 101.154

Monochromacy



Original Color
75, 78.724, 105.740

Achromatopsia
69, 0.009, 296.813

Achromatomaly
71, 37.338, 108.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 78.724, 105.740 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(184, 193, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 193, 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(184, 193, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 193, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 78.724, 105.740 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(184, 193, 0) }
```

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

```
.border{ border-color:rgb(184, 193, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 193, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 193, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 193, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 193,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 78.724, 105.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 193, 0) }
```

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

```
.background{ background-color: rgb(184,  
193, 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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