

Converting Colors

CIELCh(78, 72.324, 107.958)

Have a look what the booklet for
CIELCh(78, 72.324, 107.958)
contains.

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Color

CIELCh(78, 72.425, 108.083)

Conversions

Conversions Part 1

Format	Color
Hex	BDCA32
RGB	189, 202, 50
RGB Percent	74%, 79%, 20%
CMY	0.2593, 0.2083, 0.8045
CMYK	0.06, 0.00, 0.75, 0.21
HSL	65°, 60%, 49%
HSV	65°, 75%, 79%
XYZ	42.6164, 53.2120, 11.0259
YIQ	180.7850, 41.0440, -50.0280

Conversions

Conversions Part 2

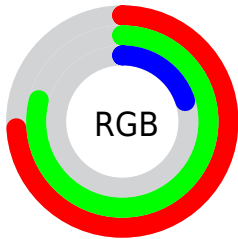
Format	Color
RYB	50, 202, 63
Decimal	12438066
CIELab	78.00, -22.48, 68.85
CIELCh	78, 72.425, 108.083
Yxy	53.2120, 0.3988, 0.4980
Android (android.graphics.Color)	4290628146 (0xFFBDCA32)
YUV	180.7850, -64.4770, 7.2046
Hunter-Lab	72.9466, -23.3742, 42.1009

Details

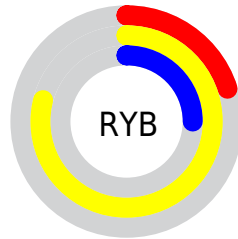
The CIELCh color **78, 72.425, 108.083** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **33, 91.799, 303.998**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 70.874, 107.074**, and **58, 65.113, 109.333** is the 20% darker color. If you saturate the color by 10%, you get **78, 77.700, 107.906**, and if you desaturate by 10%, it is **78, 65.279, 108.505**.

Distribution



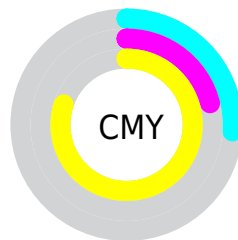
- Red (74%)
- Green (79%)
- Blue (20%)



- Red (20%)
- Yellow (79%)
- Blue (25%)



- Cyan (6%)
- Magenta (0%)
- Yellow (75%)
- Black (21%)





- Cyan (26%)
- Magenta (21%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 72.425, 108.083 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 78, 72.425, 108.083 by changing the saturation by 10% instead.


 78, 72.425,
108.083

 78, 72.425,
108.083


 100, 72.425,
108.083


 68, 72.425,
108.083


 98, 72.425,
108.083

 58, 72.425,
108.083

 48, 72.425,
108.083

 38, 72.425,
108.083

 28, 72.425,
108.083

 18, 72.425,
108.083

 8, 72.425, 108.083

■ 0, 72.425, 108.083

■ 78, 72.425,
108.083

■ 78, 72.425,
108.083

■ 78, 77.700,
107.906

■ 78, 65.279,
108.505

■ 78, 80.759,
108.015

■ 79, 56.762,
109.103

■ 78, 81.710,
108.129

■ 79, 47.326,
109.819

■ 79, 37.309,
110.608

■ 80, 26.937,
111.434

■ 80, 16.360,
112.272

■ 81, 5.676, 113.102

■ 82, 5.052, 293.930

■ 82, 15.778,
294.714

Harmonies

Complementary

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



78, 72.425, 108.083



33, 91.799, 303.998

Rectangle

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



78, 72.425, 108.083



78, 72.425, 158.083



78, 72.425, 288.083



78, 72.425, 338.083

Sweetspot

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



78, 72.425, 108.085



98, 29.630, 111.600



47, 66.747, 35.586



52, 20.466, 111.294



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 72.425, 108.085



96, 95.141, 107.935



74, 81.134, 129.066



43, 6.124, 112.765



65, 70.566, 108.057



14, 22.001, 110.389

Inverse Universe

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



33, 91.799, 303.998



35, 127.712, 305.994



41, 88.176, 314.823



39, 6.258, 294.372



19, 96.461, 306.586



1, 23.591, 294.657

Previews

White Background



This preview shows how the CIELCh color 78, 72.425, 108.083 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 78, 72.425, 108.083 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 78, 72.425, 108.083

Background



This preview shows how black text looks on a background with the CIELCh color 78, 72.425, 108.083.



This preview shows how white text looks on a background with the CIELCh color 78, 72.425, 108.083.

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
78, 72.425, 108.083

Protanopia
78, 70.421, 95.341

Deuteranopia
78, 68.258, 81.800



Tritanopia
78, 9.769, 324.818

Trichromacy



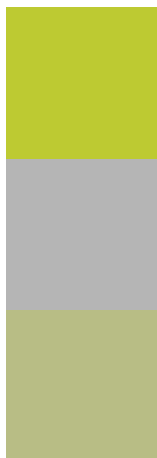
Original Color
78, 72.425, 108.083

Protanomaly
78, 70.496, 100.080

Deuteranomaly
78, 67.862, 91.823

Tritanomaly
77, 24.497, 103.188

Monochromacy



Original Color
78, 72.425, 108.083

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 29.825, 111.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 72.425, 108.083 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(189, 202, 50)` looks like.

```
.text, #text, p{  
    color:rgb(189, 202, 50)  
}
```

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(189, 202, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 202, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 72.425, 108.083 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(189, 202, 50) }
```

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

```
.border{ border-color:rgb(189, 202, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 202, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 202, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 202, 50);  
box-shadow:4px 4px 4px 4px rgb(189, 202,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 72.425, 108.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 202, 50) }
```

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

```
.background{ background-color: rgb(189,  
202, 50) }
```

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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