

Converting Colors

CIELCh(81, 75.659, 106.448)

Have a look what the booklet for
CIELCh(81, 75.659, 106.448)
contains.

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Color

CIELCh(81, 75.722, 106.460)

Conversions

Conversions Part 1

Format	Color
Hex	C9D230
RGB	201, 210, 48
RGB Percent	79%, 82%, 19%
CMY	0.2134, 0.1780, 0.8136
CMYK	0.04, 0.00, 0.77, 0.18
HSL	63°, 64%, 50%
HSV	63°, 77%, 82%
XYZ	47.4508, 58.4711, 11.5307
YIQ	188.8410, 46.6380, -52.2900

Conversions

Conversions Part 2

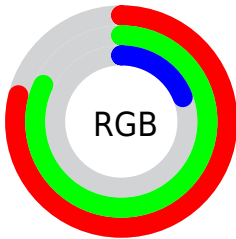
Format	Color
RYB	48, 210, 57
Decimal	13226544
CIELab	81.00, -21.46, 72.62
CIELCh	81, 75.722, 106.460
Yxy	58.4711, 0.4040, 0.4978
Android (android.graphics.Color)	4291416624 (0xFFC9D230)
YUV	188.8410, -69.4346, 10.6634
Hunter-Lab	76.4664, -23.0489, 44.5859

Details

The CIELCh color **81, 75.722, 106.460** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **33, 97.271, 303.974**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 70.820, 104.763**, and **61, 67.467, 107.898** is the 20% darker color. If you saturate the color by 10%, you get **81, 80.633, 106.246**, and if you desaturate by 10%, it is **81, 68.766, 106.909**.

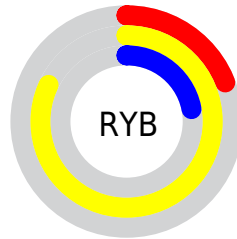
Distribution



Red (79%)

Green (82%)

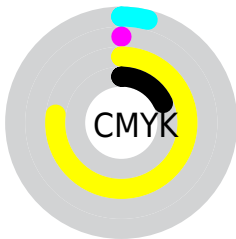
Blue (19%)



Red (19%)

Yellow (82%)

Blue (22%)

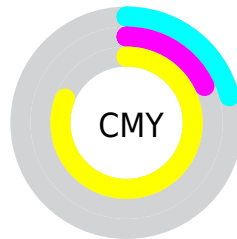


Cyan (4%)

Magenta (0%)

Yellow (77%)

Black (18%)



Cyan (21%)


Magenta (18%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 75.722, 106.460 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 81, 75.722, 106.460 by changing the saturation by 10% instead.


 81, 75.722,
106.460


 81, 75.722,
106.460


 100, 75.722,
106.460


 71, 75.722,
106.460

 61, 75.722,
106.460

 51, 75.722,
106.460

 41, 75.722,
106.460

 31, 75.722,
106.460

 21, 75.722,
106.460

 11, 75.722,

106.460

■ 1, 75.722, 106.460

■ 0, 75.722, 106.460

■ 81, 75.722,
106.460

■ 81, 75.722,
106.460

■ 81, 80.633,
106.246

■ 81, 68.766,
106.909

■ 81, 83.274,
106.285

■ 81, 60.273,
107.532

■ 81, 83.797,
106.315

■ 82, 50.735,
108.278

■ 82, 40.528,
109.101

■ 83, 29.912,

109.967

■ 83, 19.057,
110.850

■ 84, 8.072, 111.729

■ 84, 2.969, 292.616

■ 85, 14.018,
293.445

Harmonies

Complementary

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



81, 75.722, 106.460



33, 97.271, 303.974

Rectangle

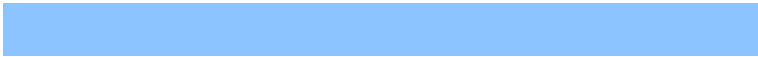
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 75.722, 106.460



81, 75.722, 156.460



81, 75.722, 286.460



81, 75.722, 336.460

Sweetspot

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



81, 75.722, 106.462



98, 29.589, 110.325



48, 72.023, 34.761



52, 20.437, 110.003



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 75.722, 106.462



96, 95.790, 106.247



76, 84.314, 128.068



44, 6.241, 111.547



66, 71.160, 106.263



15, 23.521, 108.120

Inverse Universe

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



33, 97.271, 303.974



34, 130.160, 306.040



41, 92.935, 313.896



40, 6.380, 293.250



20, 97.733, 306.471



2, 25.598, 294.630

Previews

White Background



This preview shows how the CIELCh color 81, 75.722, 106.460 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 81, 75.722, 106.460 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 81, 75.722, 106.460

Background



This preview shows how black text looks on a background with the CIELCh color 81, 75.722, 106.460.



This preview shows how white text looks on a background with the CIELCh color 81, 75.722, 106.460.

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
81, 75.722, 106.460

Protanopia
81, 74.265, 94.993

Deuteranopia
81, 71.925, 81.867



Tritanopia
81, 11.228, 331.077

Trichromacy



Original Color
81, 75.722, 106.460

Protanomaly
81, 74.338, 99.129

Deuteranomaly
81, 71.407, 91.305

Tritanomaly
80, 25.624, 98.875

Monochromacy



Original Color
81, 75.722, 106.460

Achromatopsia
76, 0.009, 296.813

Achromatomaly
78, 31.142, 109.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 75.722, 106.460 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(201, 210, 48)` looks like.

```
.text, #text, p{  
    color:rgb(201, 210, 48)  
}
```

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(201, 210, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 210, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 75.722, 106.460 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(201, 210, 48) }
```

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

```
.border{ border-color:rgb(201, 210, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 210, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 210, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 210, 48);  
box-shadow:4px 4px 4px 4px rgb(201, 210,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 75.722, 106.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 210, 48) }
```

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

```
.background{ background-color: rgb(201,  
210, 48) }
```

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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