

Converting Colors

CIELCh(81, 78.950, 97.036)

Have a look what the booklet for
CIELCh(81, 78.950, 97.036) contains.

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Color

CIELCh(81, 78.950, 97.036)

Conversions

Conversions Part 1

Format	Color
Hex	DECB1A
RGB	222, 203, 26
RGB Percent	87%, 80%, 10%
CMY	0.1284, 0.2030, 0.8963
CMYK	0.00, 0.09, 0.88, 0.13
HSL	54°, 79%, 49%
HSV	54°, 88%, 87%
XYZ	51.8071, 58.4711, 9.5580
YIQ	188.5030, 68.1410, -51.0190

Conversions

Conversions Part 2

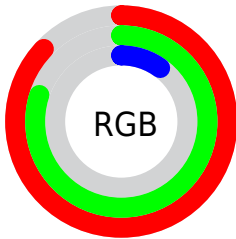
Format	Color
R_YB	47, 222, 26
Decimal	14600986
CIE Lab	81.00, -9.67, 78.36
CIE LCh	81, 78.950, 97.036
Yxy	58.4711, 0.4323, 0.4879
Android (android.graphics.Color)	4292791066 (0xFFDECB1A)
YUV	188.5030, -80.1140, 29.3769
Hunter-Lab	76.4664, -12.8797, 46.1154

Details

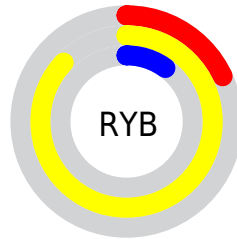
The CIELCh color **81, 78.950, 97.036** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **33, 105.661, 303.101**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 76.384, 104.346**, and **61, 65.208, 97.510** is the 20% darker color. If you saturate the color by 10%, you get **80, 81.202, 96.266**, and if you desaturate by 10%, it is **82, 74.228, 97.876**.

Distribution



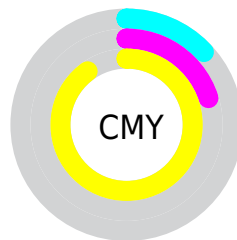
- Red (87%)
- Green (80%)
- Blue (10%)



- Red (18%)
- Yellow (87%)
- Blue (10%)



- Cyan (0%)
- Magenta (9%)
- Yellow (88%)
- Black (13%)



- Cyan (13%)
- Magenta (20%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 78.950, 97.036 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, 78.950, 97.036 by changing the saturation by 10% instead.

■ 81, 78.950, 97.036

■ 81, 78.950, 97.036

■ 100, 78.950,
97.036

■ 71, 78.950, 97.036

■ 61, 78.950, 97.036

■ 51, 78.950, 97.036

■ 41, 78.950, 97.036

■ 31, 78.950, 97.036

■ 21, 78.950, 97.036

■ 11, 78.950, 97.036

■ 1, 78.950, 97.036

■ 0, 78.950, 97.036

■ 81, 78.950, 97.036

■ 81, 78.950, 97.036

■ 80, 81.202, 96.266

■ 82, 74.228, 97.876

■ 80, 81.506, 96.123

■ 82, 67.350, 98.793

■ 83, 58.945, 99.779

■ 84, 49.571,
100.816

■ 85, 39.626,
101.883

■ 86, 29.367,
102.962

■ 87, 18.952,
104.036

■ 88, 8.479, 105.090

■ 89, 1.994, 286.196

Harmonies

Complementary

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



81, 78.950, 97.036



33, 105.661, 303.101

Rectangle

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



81, 78.950, 97.036



81, 78.950, 147.036



81, 78.950, 277.036



81, 78.950, 327.036

Sweetspot

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



81, 78.949, 97.038



97, 30.388, 103.167



48, 81.955, 31.243



51, 20.577, 102.790



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, 78.949, 97.038



91, 90.378, 96.067



81, 91.032, 123.286



47, 5.989, 104.950



65, 68.521, 96.236



18, 25.463, 98.267

Inverse Universe

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



33, 105.661, 303.101



34, 129.126, 305.300



36, 108.492, 310.190



43, 6.096, 287.001



22, 96.551, 304.951



3, 29.506, 293.780

Previews

White Background



This preview shows how the CIELCh color 81, 78.950, 97.036 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, 78.950, 97.036 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, 78.950, 97.036

Background



This preview shows how black text looks on a background with the CIELCh color 81, 78.950, 97.036.

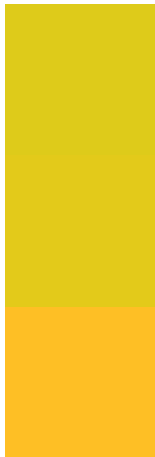


This preview shows how white text looks on a background with the CIELCh color 81, 78.950, 97.036.

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, 78.950, 97.036

Protanopia

81, 79.001, 95.094

Deuteranopia

81, 78.060, 82.314



Tritanopia
81, 18.501, 355.612

Trichromacy



Original Color
81, 78.950, 97.036

Protanomaly
81, 78.866, 95.730

Deuteranomaly
81, 77.658, 87.666

Tritanomaly
80, 32.877, 80.548

Monochromacy



Original Color
81, 78.950, 97.036

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 33.868, 102.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 78.950, 97.036 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(222, 203, 26)` looks like.

```
.text, #text, p{  
    color:rgb(222, 203, 26)  
}
```

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(222, 203, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 203, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 78.950, 97.036 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(222, 203, 26) }
```

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

```
.border{ border-color:rgb(222, 203, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 203, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 203, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 203, 26);  
box-shadow:4px 4px 4px 4px rgb(222, 203,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 78.950, 97.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 203, 26) }
```

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

```
.background{ background-color: rgb(222,  
203, 26) }
```

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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