

Converting Colors

CIELCh(80, 75.756, 97.258)

Have a look what the booklet for
CIELCh(80, 75.756, 97.258) contains.

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Color

CIELCh(80, 75.636, 96.977)

Conversions

Conversions Part 1

Format	Color
Hex	DBC825
RGB	219, 200, 37
RGB Percent	86%, 78%, 15%
CMY	0.1400, 0.2146, 0.8533
CMYK	0.00, 0.09, 0.83, 0.14
HSL	54°, 72%, 50%
HSV	54°, 83%, 86%
XYZ	50.3644, 56.6813, 10.0686
YIQ	187.0990, 63.6470, -46.6650

Conversions

Conversions Part 2

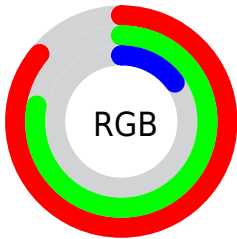
Format	Color
RYB	58, 219, 37
Decimal	14403621
CIELab	80.00, -9.19, 75.08
CIELCh	80, 75.636, 96.977
Yxy	56.6813, 0.4300, 0.4840
Android (android.graphics.Color)	4292593701 (0xFFDBC825)
YUV	187.0990, -73.9988, 27.9772
Hunter-Lab	75.2870, -12.3418, 44.7716

Details

The CIELCh color **80, 75.636, 96.977** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **35, 98.003, 301.668**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 74.447, 104.491**, and **60, 64.308, 96.992** is the 20% darker color. If you saturate the color by 10%, you get **79, 79.115, 96.134**, and if you desaturate by 10%, it is **81, 69.780, 97.890**.

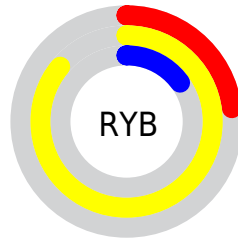
Distribution



Red (86%)

Green (78%)

Blue (15%)



Red (23%)

Yellow (86%)

Blue (15%)

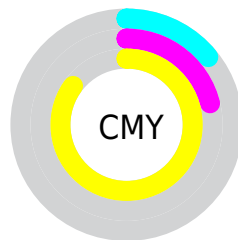


Cyan (0%)

Magenta (9%)

Yellow (83%)

Black (14%)



Cyan (14%)

Magenta (21%)

Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 75.636, 96.977 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 80, 75.636, 96.977 by changing the saturation by 10% instead.

 80, 75.636, 96.977

 80, 75.636, 96.977

 100, 75.636,
96.977

 70, 75.636, 96.977

 60, 75.636, 96.977

 50, 75.636, 96.977

 40, 75.636, 96.977

 30, 75.636, 96.977

 20, 75.636, 96.977

 10, 75.636, 96.977

 0, 75.636, 96.977

 80, 75.636, 96.977

 80, 75.636, 96.977

79, 79.115, 96.134

81, 69.780, 97.890

79, 80.304, 95.562

81, 62.126, 98.868

82, 53.283, 99.900

83, 43.721,
100.968

84, 33.753,
102.054

85, 23.575,
103.141

86, 13.306,
104.214

87, 3.018, 105.239

88, 7.245, 286.318

Harmonies

Complementary

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



80, 75.636, 96.977



35, 98.003, 301.668

Rectangle

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



80, 75.636, 96.977



80, 75.636, 146.977



80, 75.636, 276.977



80, 75.636, 326.977

Sweetspot

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



80, 75.636, 96.979



97, 29.015, 102.895



48, 76.306, 27.692



51, 19.778, 102.510



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 75.636, 96.979



90, 89.939, 95.494



80, 86.916, 122.257



46, 5.832, 104.585



64, 67.465, 95.687



16, 23.898, 98.060

Inverse Universe

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



35, 98.003, 301.668



34, 128.580, 305.181



37, 103.397, 309.849



43, 5.934, 286.643



22, 94.989, 304.795



3, 27.459, 292.591

Previews

White Background



This preview shows how the CIELCh color 80, 75.636, 96.977 looks on a white background.

Color Contrast Check

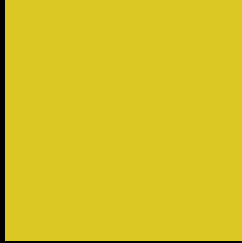
Large Text (above 18pt) WCAG AA × Fail

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 80, 75.636, 96.977 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 80, 75.636, 96.977

Background



This preview shows how black text looks on a background with the CIELCh color 80, 75.636, 96.977.



This preview shows how white text looks on a background with the CIELCh color 80, 75.636, 96.977.

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

80, 75.636, 96.977

Protanopia

80, 75.619, 95.281

Deuteranopia

80, 74.834, 81.929



Tritanopia
80, 18.553, 355.639

Trichromacy



Original Color
80, 75.636, 96.977

Protanomaly
80, 75.549, 95.614

Deuteranomaly
80, 74.470, 87.189

Tritanomaly
79, 30.146, 78.268

Monochromacy



Original Color
80, 75.636, 96.977

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 31.353, 101.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 75.636, 96.977 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(219, 200, 37)` looks like.

```
.text, #text, p{  
    color:rgb(219, 200, 37)  
}
```

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(219, 200, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 200, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 75.636, 96.977 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(219, 200, 37) }
```

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

```
.border{ border-color:rgb(219, 200, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 200, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 200, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 200, 37);  
box-shadow:4px 4px 4px 4px rgb(219, 200,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 75.636, 96.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 200, 37) }
```

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

```
.background{ background-color: rgb(219,  
200, 37) }
```

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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