

Converting Colors

CIELCh(80, 75.104, 100.612)

Have a look what the booklet for
CIELCh(80, 75.104, 100.612)
contains.

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Color

CIELCh(80, 75.205, 100.736)

Conversions

Conversions Part 1

Format	Color
Hex	D3CB29
RGB	211, 203, 41
RGB Percent	83%, 80%, 16%
CMY	0.1728, 0.2041, 0.8395
CMYK	0.00, 0.04, 0.81, 0.17
HSL	57°, 67%, 49%
HSV	57°, 81%, 83%
XYZ	48.5851, 56.6813, 10.4704
YIQ	186.9240, 56.7700, -48.6860

Conversions

Conversions Part 2

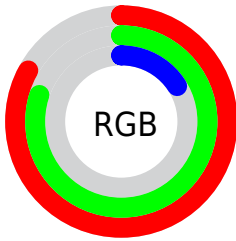
Format	Color
R _Y B	49, 211, 41
Decimal	13880105
CIE Lab	80.00, -14.01, 73.89
CIE LCh	80, 75.205, 100.736
Yxy	56.6813, 0.4198, 0.4897
Android (android.graphics.Color)	4292070185 (0xFFD3CB29)
YUV	186.9240, -71.9405, 21.1147
Hunter-Lab	75.2870, -16.5604, 44.4552

Details

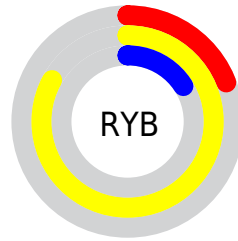
The CIELCh color **80, 75.205, 100.736** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **33, 97.801, 302.802**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 73.258, 104.580**, and **60, 64.924, 101.620** is the 20% darker color. If you saturate the color by 10%, you get **80, 79.244, 100.177**, and if you desaturate by 10%, it is **80, 68.969, 101.441**.

Distribution



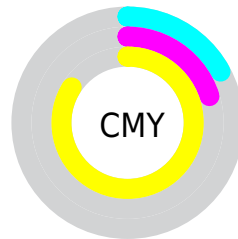
- Red (83%)
- Green (80%)
- Blue (16%)



- Red (19%)
- Yellow (83%)
- Blue (16%)



- Cyan (0%)
- Magenta (4%)
- Yellow (81%)
- Black (17%)





- Cyan (17%)
- Magenta (20%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 75.205, 100.736 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, 75.205, 100.736 by changing the saturation by 10% instead.


 80, 75.205,
100.736


 80, 75.205,
100.736


 100, 75.205,
100.736


 70, 75.205,
100.736

 60, 75.205,
100.736

 50, 75.205,
100.736

 40, 75.205,
100.736

 30, 75.205,
100.736

 20, 75.205,
100.736

 10, 75.205,

100.736

■ 0, 75.205, 100.736

■ 80, 75.205,
100.736

■ 80, 75.205,
100.736

■ 80, 79.244,
100.177

■ 80, 68.969,
101.441

■ 79, 81.126, 99.763

■ 81, 61.061,
102.264

■ 81, 52.023,
103.175

■ 82, 42.276,
104.145

■ 82, 32.109,
105.148

■ 83, 21.707,
106.163

■ 84, 11.186,
107.172

■ 84, 0.621, 108.038

■ 85, 9.944, 289.157

Harmonies

Complementary

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



80, 75.205, 100.736



33, 97.801, 302.802

Rectangle

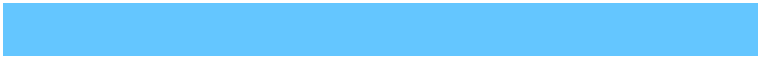
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 75.205, 100.736



80, 75.205, 150.736



80, 75.205, 280.736



80, 75.205, 330.736

Sweetspot

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



80, 75.205, 100.738



98, 29.467, 105.791



47, 74.833, 31.130



52, 20.212, 105.425



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, 75.205, 100.738



94, 93.116, 99.850



77, 84.502, 124.734



44, 5.947, 107.291



65, 68.609, 99.814



15, 22.351, 102.343

Inverse Universe

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



33, 97.801, 302.802



33, 130.408, 305.664



38, 97.325, 311.332



40, 6.068, 289.243



20, 95.806, 305.656



2, 24.716, 292.117

Previews

White Background



This preview shows how the CIELCh color 80, 75.205, 100.736 looks on a white background.

Color Contrast Check

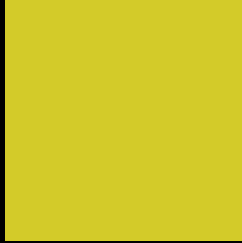
Large Text (above 18pt) WCAG AA × Fail

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, 75.205, 100.736 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, 75.205, 100.736

Background



This preview shows how black text looks on a background with the CIELCh color 80, 75.205, 100.736.

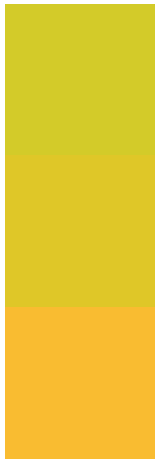


This preview shows how white text looks on a background with the CIELCh color 80, 75.205, 100.736.

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, 75.205, 100.736

Protanopia
80, 74.863, 95.272

Deuteranopia
80, 73.470, 82.019



Tritanopia
80, 14.888, 348.308

Trichromacy



Original Color
80, 75.205, 100.736

Protanomaly
80, 74.881, 96.983

Deuteranomaly
80, 72.987, 88.792

Tritanomaly
79, 27.975, 86.372

Monochromacy



Original Color
80, 75.205, 100.736

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 31.215, 104.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 75.205, 100.736 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(211, 203, 41)` looks like.

```
.text, #text, p{  
    color:rgb(211, 203, 41)  
}
```

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(211, 203, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 203, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 75.205, 100.736 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(211, 203, 41) }
```

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

```
.border{ border-color:rgb(211, 203, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 203, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 203, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 203, 41);  
box-shadow:4px 4px 4px 4px rgb(211, 203,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 75.205, 100.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 203, 41) }
```

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

```
.background{ background-color: rgb(211,  
203, 41) }
```

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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