

Converting Colors

CIELCh(77, 76.604, 90.902)

Have a look what the booklet for
CIELCh(77, 76.604, 90.902) contains.

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Color

CIELCh(77, 76.437, 90.857)

Conversions

Conversions Part 1

Format	Color
Hex	DFBB14
RGB	223, 187, 20
RGB Percent	87%, 73%, 8%
CMY	0.1236, 0.2650, 0.9220
CMYK	0.00, 0.16, 0.91, 0.12
HSL	49°, 84%, 48%
HSV	49°, 91%, 88%
XYZ	48.5615, 51.5317, 8.0429
YIQ	178.7260, 75.0630, -44.3050

Conversions

Conversions Part 2

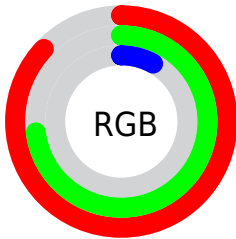
Format	Color
RYB	64, 223, 20
Decimal	14662420
CIELab	77.00, -1.14, 76.43
CIElCh	77, 76.437, 90.857
Yxy	51.5317, 0.4491, 0.4765
Android (android.graphics.Color)	4292852500 (0xFFDFB14)
YUV	178.7260, -78.2519, 38.8283
Hunter-Lab	71.7856, -4.8732, 43.6071

Details

The CIELCh color **77, 76.437, 90.857** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **35, 100.765, 301.323**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 74.310, 100.436**, and **57, 61.833, 89.906** is the 20% darker color. If you saturate the color by 10%, you get **76, 78.103, 89.654**, and if you desaturate by 10%, it is **78, 72.362, 92.134**.

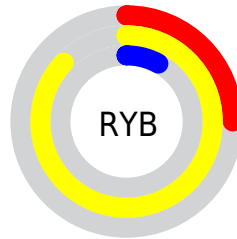
Distribution



Red (87%)

Green (73%)

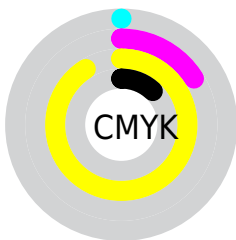
Blue (8%)



Red (25%)

Yellow (87%)

Blue (8%)

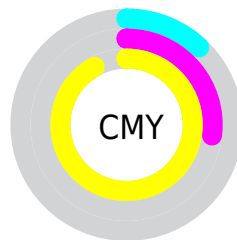


Cyan (0%)

Magenta (16%)

Yellow (91%)

Black (12%)



Cyan (12%)

Magenta (27%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 76.437, 90.857 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 77, 76.437, 90.857 by changing the saturation by 10% instead.

■ 77, 76.437, 90.857

■ 77, 76.437, 90.857

■ 100, 76.437,
90.857

■ 67, 76.437, 90.857

■ 97, 76.437, 90.857

■ 57, 76.437, 90.857

■ 47, 76.437, 90.857

■ 37, 76.437, 90.857

■ 27, 76.437, 90.857

■ 17, 76.437, 90.857

■ 7, 76.437, 90.857

■ 0, 76.437, 90.857

■ 77, 76.437, 90.857

■ 77, 76.437, 90.857

76, 78.103, 89.654

78, 72.362, 92.134

79, 66.014, 93.358

80, 58.098, 94.567

82, 49.234, 95.774

83, 39.851, 96.979

84, 30.216, 98.173

86, 20.484, 99.349

87, 10.747,
100.494

89, 1.055, 101.477

Harmonies

Complementary

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



77, 76.437, 90.857



35, 100.765, 301.323

Rectangle

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



77, 76.437, 90.857



77, 76.437, 140.857



77, 76.437, 270.857



77, 76.437, 320.857

Sweetspot

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



77, 76.436, 90.859



95, 29.192, 98.635



48, 80.333, 26.788



50, 19.671, 98.229



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 76.436, 90.859



86, 86.237, 89.542



82, 90.456, 119.955



46, 5.511, 100.679



61, 65.420, 89.891



16, 23.610, 92.620

Inverse Universe

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



35, 100.765, 301.323



36, 121.708, 303.604



33, 112.575, 308.633



44, 5.583, 282.876



24, 90.468, 303.064



4, 27.786, 291.861

Previews

White Background



This preview shows how the CIELCh color 77, 76.437, 90.857 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 77, 76.437, 90.857 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 77, 76.437, 90.857

Background



This preview shows how black text looks on a background with the CIELCh color 77, 76.437, 90.857.



This preview shows how white text looks on a background with the CIELCh color 77, 76.437, 90.857.

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


77, 76.280, 90.848

Protanopia

77, 76.298, 95.008

Deuteranopia

77, 76.372, 82.473



Tritanopia
77, 23.988, 3.517

Trichromacy



Original Color
77, 76.280, 90.848

Protanomaly
77, 76.290, 93.639

Deuteranomaly
77, 76.338, 85.647

Tritanomaly
76, 35.697, 70.281

Monochromacy



Original Color
77, 76.280, 90.848

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 33.013, 97.480

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 76.437, 90.857 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(223, 187, 20)` looks like.

```
.text, #text, p{  
    color:rgb(223, 187, 20)  
}
```

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(223, 187, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 187, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 76.437, 90.857 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(223, 187, 20) }
```

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

```
.border{ border-color:rgb(223, 187, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 187, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 187, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 187, 20);  
box-shadow:4px 4px 4px 4px rgb(223, 187,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 76.437, 90.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 187, 20) }
```

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

```
.background{ background-color: rgb(223,  
187, 20) }
```

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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