

Converting Colors

CIELCh(75, 76.557, 88.334)

Have a look what the booklet for
CIELCh(75, 76.557, 88.334) contains.

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Color

CIELCh(75, 76.633, 88.223)

Conversions

Conversions Part 1

Format	Color
Hex	DFB407
RGB	223, 180, 7
RGB Percent	87%, 71%, 3%
CMY	0.1260, 0.2945, 0.9738
CMYK	0.00, 0.19, 0.97, 0.13
HSL	48°, 94%, 45%
HSV	48°, 97%, 87%
XYZ	46.7260, 48.2781, 7.0473
YIQ	173.1350, 81.1610, -44.6870

Conversions

Conversions Part 2

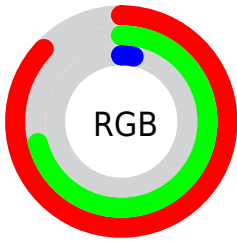
Format	Color
RYB	61, 223, 7
Decimal	14660615
CIELab	75.00, 2.38, 76.60
CIELCh	75, 76.633, 88.223
Yxy	48.2781, 0.4579, 0.4731
Android (android.graphics.Color)	4292850695 (0xFFDFB407)
YUV	173.1350, -81.9046, 43.7316
Hunter-Lab	69.4824, -1.5556, 42.6242

Details

The CIELCh color **75, 76.633, 88.223** 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 **33, 104.087, 302.088**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 73.527, 97.656**, and **55, 60.804, 86.760** is the 20% darker color. If you saturate the color by 10%, you get **75, 77.142, 87.766**, and if you desaturate by 10%, it is **76, 74.038, 89.712**.

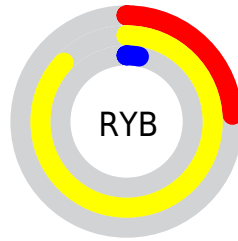
Distribution



Red (87%)

Green (71%)

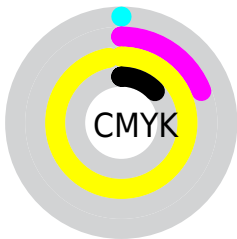
Blue (3%)



Red (24%)

Yellow (87%)

Blue (3%)

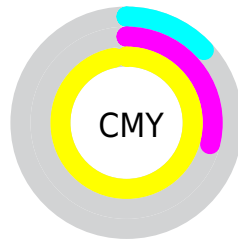


Cyan (0%)

Magenta (19%)

Yellow (97%)

Black (13%)



Cyan (13%)

Magenta (29%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 76.633, 88.223 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 75, 76.633, 88.223 by changing the saturation by 10% instead.

 75, 76.633, 88.223

 75, 76.633, 88.223

 100, 76.633,
88.223

 65, 76.633, 88.223

 95, 76.633, 88.223

 55, 76.633, 88.223

 45, 76.633, 88.223

 35, 76.633, 88.223

 25, 76.633, 88.223

 15, 76.633, 88.223

 5, 76.633, 88.223

 0, 76.633, 88.223

 75, 76.633, 88.223

 75, 76.633, 88.223

75, 77.142, 87.766

76, 74.038, 89.712

77, 68.903, 91.068

79, 61.822, 92.359

80, 53.506, 93.623

81, 44.494, 94.873

83, 35.132, 96.109

84, 25.625, 97.325

86, 16.091, 98.514

88, 6.595, 99.659

Harmonies

Complementary

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



75, 76.633, 88.223



33, 104.087, 302.088

Rectangle

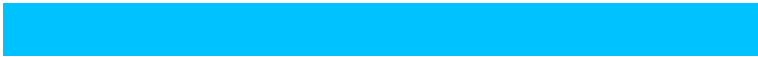
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 76.633, 88.223



75, 76.633, 138.223



75, 76.633, 268.223



75, 76.633, 318.223

Sweetspot

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



75, 76.632, 88.225



95, 30.710, 97.057



47, 82.767, 28.648



50, 21.078, 96.535



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 76.632, 88.225



84, 85.348, 87.634



82, 91.625, 119.752



46, 5.387, 99.385



60, 64.746, 88.037



16, 23.145, 90.906

Inverse Universe

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



33, 104.087, 302.088



37, 119.145, 302.975



31, 115.948, 308.266



44, 5.449, 281.624



25, 88.447, 302.386



4, 27.324, 291.297

Previews

White Background



This preview shows how the CIELCh color 75, 76.633, 88.223 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 75, 76.633, 88.223 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 75, 76.633, 88.223

Background



This preview shows how black text looks on a background with the CIELCh color 75, 76.633, 88.223.



This preview shows how white text looks on a background with the CIELCh color 75, 76.633, 88.223.

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

75, 76.633, 88.223

Protanopia

75, 75.794, 94.783

Deuteranopia

75, 76.456, 82.564



Tritanopia
75, 25.933, 6.331

Trichromacy



Original Color
75, 76.633, 88.223

Protanomaly
75, 75.973, 92.347

Deuteranomaly
75, 76.552, 84.708

Tritanomaly
74, 39.048, 68.374

Monochromacy



Original Color
75, 76.633, 88.223

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 34.385, 96.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 76.633, 88.223 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, 180, 7)` looks like.

```
.text, #text, p{  
    color:rgb(223, 180, 7)  
}
```

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, 180, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 180, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 76.633, 88.223 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, 180, 7) }
```

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

```
.border{ border-color:rgb(223, 180, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 180, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 180, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 180, 7);  
box-shadow:4px 4px 4px 4px rgb(223, 180,  
7) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 76.633, 88.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 180, 7) }
```

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

```
.background{ background-color: rgb(223,  
180, 7) }
```

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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