

Converting Colors

CIELCh(77, 73.679, 90.816)

Have a look what the booklet for
CIELCh(77, 73.679, 90.816) contains.

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Color

CIELCh(77, 73.461, 90.664)

Conversions

Conversions Part 1

Format	Color
Hex	DFBB22
RGB	223, 187, 34
RGB Percent	87%, 73%, 13%
CMY	0.1241, 0.2654, 0.8649
CMYK	0.00, 0.16, 0.85, 0.12
HSL	49°, 75%, 51%
HSV	49°, 85%, 88%
XYZ	48.6680, 51.5317, 8.9281
YIQ	180.3220, 70.5690, -39.9510

Conversions

Conversions Part 2

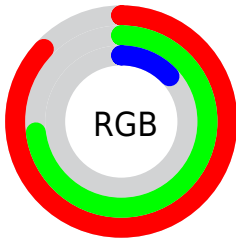
Format	Color
RYB	78, 223, 34
Decimal	14662434
CIELab	77.00, -0.85, 73.46
CIELCh	77, 73.461, 90.664
Yxy	51.5317, 0.4460, 0.4722
Android (android.graphics.Color)	4292852514 (0xFFDFB22)
YUV	180.3220, -72.1367, 37.4286
Hunter-Lab	71.7856, -4.6084, 42.8759

Details

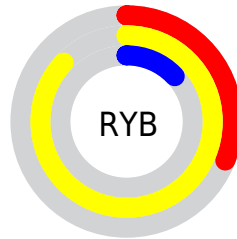
The CIELCh color **77, 73.461, 90.664** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **38, 91.796, 298.965**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 71.182, 100.524**, and **57, 61.833, 89.906** is the 20% darker color. If you saturate the color by 10%, you get **76, 76.654, 89.270**, and if you desaturate by 10%, it is **78, 67.798, 91.965**.

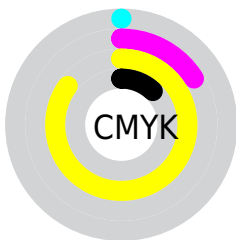
Distribution



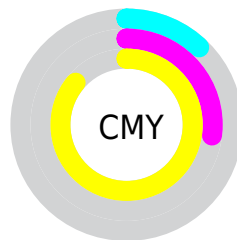
- Red (87%)
- Green (73%)
- Blue (13%)



- Red (31%)
- Yellow (87%)
- Blue (13%)



- Cyan (0%)
- Magenta (16%)
- Yellow (85%)
- Black (12%)



- Cyan (12%)
- Magenta (27%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 73.461, 90.664 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, 73.461, 90.664 by changing the saturation by 10% instead.

■ 77, 73.461, 90.664

■ 77, 73.461, 90.664

■ 100, 73.461,
90.664

■ 67, 73.461, 90.664

■ 97, 73.461, 90.664

■ 57, 73.461, 90.664

■ 47, 73.461, 90.664

■ 37, 73.461, 90.664

■ 27, 73.461, 90.664

■ 17, 73.461, 90.664

■ 7, 73.461, 90.664

■ 0, 73.461, 90.664

■ 77, 73.461, 90.664

■ 77, 73.461, 90.664

76, 76.654, 89.270

78, 67.798, 91.965

75, 77.552, 88.471

79, 60.349, 93.222

81, 51.792, 94.463

82, 42.619, 95.695

84, 33.140, 96.914

85, 23.540, 98.115

87, 13.924, 99.287

88, 4.349, 100.405

90, 5.151, 281.580

Harmonies

Complementary

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



77, 73.461, 90.664



38, 91.796, 298.965

Rectangle

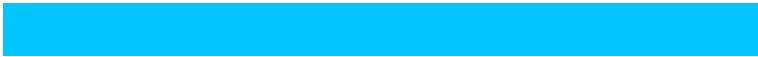
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 73.461, 90.664



77, 73.461, 140.664



77, 73.461, 270.664



77, 73.461, 320.664

Sweetspot

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



77, 73.460, 90.667



96, 26.665, 98.043



49, 75.449, 22.175



50, 18.201, 97.620



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, 73.460, 90.667



85, 85.665, 88.348



83, 87.087, 118.738



46, 5.432, 99.872



61, 64.987, 88.731



16, 23.315, 91.551

Inverse Universe

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



38, 91.796, 298.965



37, 120.120, 303.217



35, 107.604, 308.273



44, 5.499, 282.096



24, 89.212, 302.646



4, 27.495, 291.509

Previews

White Background



This preview shows how the CIELCh color 77, 73.461, 90.664 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, 73.461, 90.664 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, 73.461, 90.664

Background



This preview shows how black text looks on a background with the CIELCh color 77, 73.461, 90.664.



This preview shows how white text looks on a background with the CIELCh color 77, 73.461, 90.664.

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, 73.461, 90.664

Protanopia

77, 73.352, 95.316

Deuteranopia

77, 73.555, 81.976



Tritanopia
77, 23.620, 3.182

Trichromacy



Original Color
77, 73.461, 90.664

Protanomaly
77, 73.327, 93.895

Deuteranomaly
77, 73.464, 85.263

Tritanomaly
76, 33.232, 68.530

Monochromacy



Original Color
77, 73.461, 90.664

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 29.892, 96.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 73.461, 90.664 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(223, 187, 34)  
}
```

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, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 187, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 73.461, 90.664 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, 34) }
```

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

```
.border{ border-color:rgb(223, 187, 34) }
```

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, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 187, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 187, 34);  
box-shadow:4px 4px 4px 4px rgb(223, 187,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 73.461, 90.664 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, 34) }
```

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

```
.background{ background-color: rgb(223,  
187, 34) }
```

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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