

Converting Colors

CIELCh(77, 74.732, 85.601)

Have a look what the booklet for
CIELCh(77, 74.732, 85.601) contains.

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Color

CIELCh(77, 74.683, 85.431)

Conversions

Conversions Part 1

Format	Color
Hex	EAB720
RGB	234, 183, 32
RGB Percent	92%, 72%, 13%
CMY	0.0819, 0.2819, 0.8738
CMYK	0.00, 0.22, 0.86, 0.08
HSL	45°, 83%, 52%
HSV	45°, 86%, 92%
XYZ	51.1926, 51.5317, 8.6265
YIQ	181.0350, 78.8670, -36.1490

Conversions

Conversions Part 2

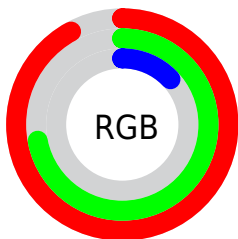
Format	Color
RYB	100, 234, 32
Decimal	15382304
CIELab	77.00, 5.95, 74.45
CIElCh	77, 74.683, 85.431
Yxy	51.5317, 0.4597, 0.4628
Android (android.graphics.Color)	4293572384 (0xFFEAB720)
YUV	181.0350, -73.4743, 46.4503
Hunter-Lab	71.7856, 1.6692, 43.1250

Details

The CIELCh color **77, 74.683, 85.431** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **42, 89.665, 296.751**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 70.581, 99.097**, and **57, 62.849, 84.177** is the 20% darker color. If you saturate the color by 10%, you get **75, 77.738, 83.573**, and if you desaturate by 10%, it is **79, 68.999, 87.041**.

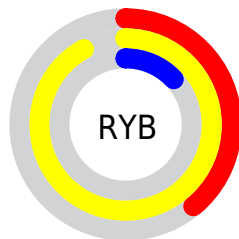
Distribution



Red (92%)

Green (72%)

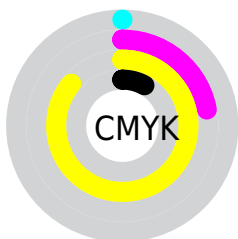
Blue (13%)



Red (39%)

Yellow (92%)

Blue (13%)

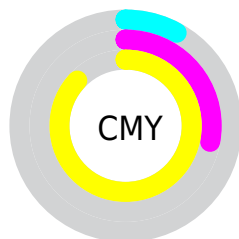


Cyan (0%)

Magenta (22%)

Yellow (86%)

Black (8%)



Cyan (8%)

Magenta (28%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 74.683, 85.431 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, 74.683, 85.431 by changing the saturation by 10% instead.

■ 77, 74.683, 85.431

■ 77, 74.683, 85.431

■ 100, 74.683,
85.431

■ 67, 74.683, 85.431

■ 97, 74.683, 85.431

■ 57, 74.683, 85.431

■ 47, 74.683, 85.431

■ 37, 74.683, 85.431

■ 27, 74.683, 85.431

■ 17, 74.683, 85.431

■ 7, 74.683, 85.431

■ 0, 74.683, 85.431

■ 77, 74.683, 85.431

■ 77, 74.683, 85.431

75, 77.738, 83.573

79, 68.999, 87.041

75, 78.437, 82.831

80, 61.451, 88.507

82, 52.803, 89.898

84, 43.591, 91.247

86, 34.138, 92.563

87, 24.629, 93.847

89, 15.165, 95.094

91, 5.795, 96.285

94, 3.456, 277.552

Harmonies

Complementary

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



77, 74.683, 85.431



42, 89.665, 296.751

Rectangle

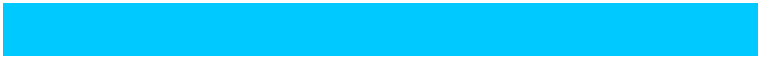
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 74.683, 85.431



77, 74.683, 135.431



77, 74.683, 265.431



77, 74.683, 315.431

Sweetspot

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



77, 74.682, 85.434



94, 26.133, 93.865



51, 77.377, 17.595



50, 17.743, 93.422



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, 74.682, 85.434



81, 83.643, 82.721



87, 89.761, 115.661



48, 5.282, 95.913



59, 64.782, 83.213



17, 24.653, 86.040

Inverse Universe

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



42, 89.665, 296.751



39, 112.018, 301.092



35, 114.291, 307.287



46, 5.322, 278.265



27, 84.889, 300.456



5, 29.401, 292.131

Previews

White Background



This preview shows how the CIELCh color 77, 74.683, 85.431 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, 74.683, 85.431 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, 74.683, 85.431

Background



This preview shows how black text looks on a background with the CIELCh color 77, 74.683, 85.431.



This preview shows how white text looks on a background with the CIELCh color 77, 74.683, 85.431.

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, 74.683, 85.431

Protanopia

77, 73.595, 95.319

Deuteranopia

77, 74.952, 82.625



Tritanopia
77, 28.884, 8.291

Trichromacy



Original Color
77, 74.683, 85.431

Protanomaly
77, 73.706, 91.759

Deuteranomaly
77, 74.966, 83.707

Tritanomaly
77, 38.059, 61.336

Monochromacy



Original Color
77, 74.683, 85.431

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 30.398, 93.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 74.683, 85.431 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(234, 183, 32)` looks like.

```
.text, #text, p{  
    color:rgb(234, 183, 32)  
}
```

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(234, 183, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 183, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 74.683, 85.431 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(234, 183, 32) }
```

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

```
.border{ border-color:rgb(234, 183, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 183, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 183, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 183, 32);  
box-shadow:4px 4px 4px 4px rgb(234, 183,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 74.683, 85.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 183, 32) }
```

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

```
.background{ background-color: rgb(234,  
183, 32) }
```

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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