

Converting Colors

CIELCh(81, 74.802, 81.681)

Have a look what the booklet for
CIELCh(81, 74.802, 81.681) contains.

CIELCh(81, 74.830, 81.736)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(81, 74.830, 81.736)

Conversions

Conversions Part 1

Format	Color
Hex	FEBF31
RGB	254, 191, 49
RGB Percent	100%, 75%, 19%
CMY	0.0045, 0.2514, 0.8084
CMYK	0.00, 0.25, 0.81, 0.00
HSL	42°, 99%, 59%
HSV	42°, 81%, 100%
XYZ	59.9753, 58.4711, 11.0143
YIQ	193.6490, 83.1300, -30.8060

Conversions

Conversions Part 2

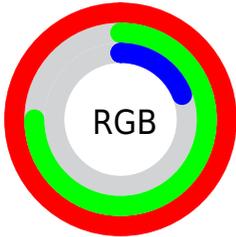
Format	Color
R _Y B	140, 254, 49
Decimal	16695089
CIE Lab	81.00, 10.76, 74.05
CIE LCh	81, 74.830, 81.736
Yxy	58.4711, 0.4633, 0.4517
Android (android.graphics.Color)	4294885169 (0xFFFEBF31)
YUV	193.6490, -71.3120, 52.9278
Hunter-Lab	76.4664, 6.1876, 44.9863

Details

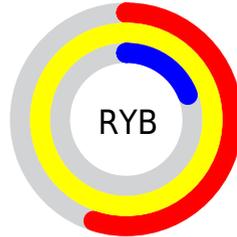
The CIELCh color **81, 74.830, 81.736** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **51, 82.125, 291.992**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 68.135, 102.069**, and **61, 67.146, 80.464** is the 20% darker color. If you saturate the color by 10%, you get **79, 80.011, 79.743**, and if you desaturate by 10%, it is **83, 67.348, 83.441**.

Distribution



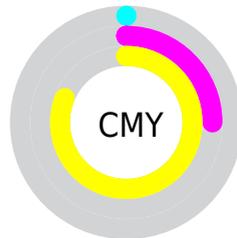
- Red (100%)
- Green (75%)
- Blue (19%)



- Red (55%)
- Yellow (100%)
- Blue (19%)



- Cyan (0%)
- Magenta (25%)
- Yellow (81%)
- Black (0%)



- Cyan (0%)
- Magenta (25%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 74.830, 81.736 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 81, 74.830, 81.736 by changing the saturation by 10% instead.

81, 74.830, 81.736

81, 74.830, 81.736

100, 74.830,
81.736

71, 74.830, 81.736

61, 74.830, 81.736

51, 74.830, 81.736

41, 74.830, 81.736

31, 74.830, 81.736

21, 74.830, 81.736

11, 74.830, 81.736

1, 74.830, 81.736

0, 74.830, 81.736

81, 74.830, 81.736

81, 74.830, 81.736

79, 80.011, 79.743

83, 67.348, 83.441

77, 82.402, 77.541

85, 58.500, 84.984

87, 48.977, 86.441

90, 39.196, 87.845

92, 29.385, 89.208

94, 19.666, 90.529

97, 10.093, 91.801

99, 0.691, 92.680

100, 0.397,
201.048

Harmonies

Complementary

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



81, 74.830, 81.736



51, 82.125, 291.992

Rectangle

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



81, 74.830, 81.736



81, 74.830, 131.736



81, 74.830, 261.736



81, 74.830, 311.736

Sweetspot

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



81, 74.829, 81.739



94, 22.890, 90.104



57, 78.338, 10.941



49, 15.772, 89.633



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 74.829, 81.739



78, 82.023, 78.265



94, 91.617, 113.007



52, 5.349, 91.955



60, 66.642, 78.037



20, 28.468, 80.766

Inverse Universe

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



51, 82.125, 291.992



44, 100.660, 297.713



40, 116.609, 306.214



50, 5.362, 274.425



32, 82.234, 298.077



8, 33.006, 293.152

Previews

White Background



This preview shows how the CIELCh color 81, 74.830, 81.736 looks on a white background.

Color Contrast Check

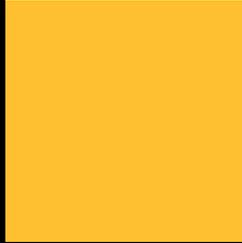
Large Text (above 18pt) WCAG AA × Fail

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 81, 74.830, 81.736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

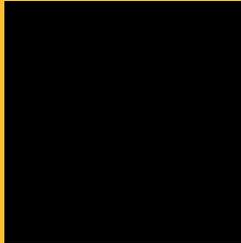
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 74.830, 81.736

Background



This preview shows how black text looks on a background with the CIELCh color 81, 74.830, 81.736.



This preview shows how white text looks on a background with the CIELCh color 81, 74.830, 81.736.

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
81, 74.830, 81.736

Protanopia
81, 72.455, 95.333

Deuteranopia
81, 74.640, 82.043



Tritanopia
81, 28.417, 10.186

Trichromacy



Original Color
81, 74.830, 81.736

Protanomaly
81, 72.702, 90.358

Deuteranomaly
81, 74.640, 82.043

Tritanomaly
81, 38.075, 58.010

Monochromacy



Original Color
81, 74.830, 81.736

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 29.193, 88.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 74.830, 81.736 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(254, 191, 49)` looks like.

```
.text, #text, p{  
    color:rgb(254, 191, 49)  
}
```

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(254, 191, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 191, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 74.830, 81.736 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(254, 191, 49) }
```

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

```
.border{ border-color:rgb(254, 191, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 191, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 191, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 191, 49);  
box-shadow:4px 4px 4px 4px rgb(254, 191,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 74.830, 81.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 191, 49) }
```

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

```
.background{ background-color: rgb(254,  
191, 49) }
```

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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