

Converting Colors

CIELCh(83, 72.092, 87.220)

Have a look what the booklet for
CIELCh(83, 72.092, 87.220) contains.

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Color

CIELCh(83, 72.017, 87.276)

Conversions

Conversions Part 1

Format	Color
Hex	F8C93C
RGB	248, 201, 60
RGB Percent	97%, 79%, 24%
CMY	0.0268, 0.2111, 0.7640
CMYK	0.00, 0.19, 0.76, 0.03
HSL	45°, 93%, 60%
HSV	45°, 76%, 97%
XYZ	60.5171, 62.1629, 13.1079
YIQ	198.9790, 73.2730, -33.8870

Conversions

Conversions Part 2

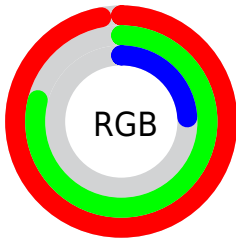
Format	Color
RYB	123, 248, 60
Decimal	16304444
CIELab	83.00, 3.42, 71.94
CIElCh	83, 72.017, 87.276
Yxy	62.1629, 0.4457, 0.4578
Android (android.graphics.Color)	4294494524 (0xFFFF8C93C)
YUV	198.9790, -68.5166, 42.9914
Hunter-Lab	78.8435, -0.9666, 45.3333

Details

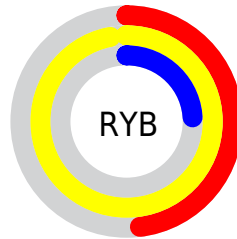
The CIELCh color **83, 72.017, 87.276** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **50, 81.768, 293.531**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 67.032, 105.049**, and **63, 67.276, 86.639** is the 20% darker color. If you saturate the color by 10%, you get **81, 78.021, 85.682**, and if you desaturate by 10%, it is **85, 64.068, 88.739**.

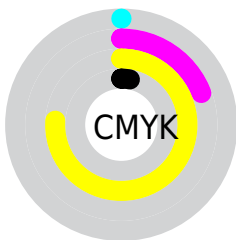
Distribution



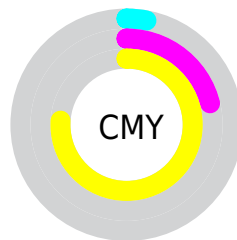
- Red (97%)
- Green (79%)
- Blue (24%)



- Red (48%)
- Yellow (97%)
- Blue (24%)



- Cyan (0%)
- Magenta (19%)
- Yellow (76%)
- Black (3%)



- Cyan (3%)
- Magenta (21%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 72.017, 87.276 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 83, 72.017, 87.276 by changing the saturation by 10% instead.

 83, 72.017, 87.276

 83, 72.017, 87.276

 100, 72.017,
87.276

 73, 72.017, 87.276

 63, 72.017, 87.276

 53, 72.017, 87.276

 43, 72.017, 87.276

 33, 72.017, 87.276

 23, 72.017, 87.276

 13, 72.017, 87.276

 3, 72.017, 87.276

 0, 72.017, 87.276

83, 72.017, 87.276

83, 72.017, 87.276

81, 78.021, 85.682

85, 64.068, 88.739

80, 81.269, 83.838

86, 54.974, 90.128

79, 82.012, 82.989

88, 45.293, 91.475

90, 35.364, 92.791

92, 25.377, 94.075

94, 15.437, 95.322

96, 5.595, 96.510

98, 2.317, 267.140

100, 2.366,
199.535

Harmonies

Complementary

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



83, 72.017, 87.276



50, 81.768, 293.531

Rectangle

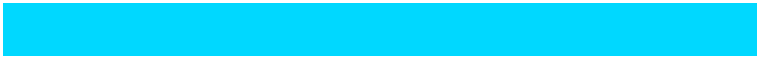
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 72.017, 87.276



83, 72.017, 137.276



83, 72.017, 267.276



83, 72.017, 317.276

Sweetspot

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



83, 72.017, 87.279



95, 23.138, 94.419



56, 74.103, 13.003



50, 16.043, 93.961



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 72.017, 87.279



83, 81.810, 84.729



92, 87.407, 115.391



51, 5.578, 96.076



62, 66.843, 83.375



20, 28.308, 85.910

Inverse Universe

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



50, 81.768, 293.531



43, 102.167, 298.527



43, 107.754, 306.567



49, 5.621, 278.439



29, 88.074, 300.648



6, 34.204, 295.236

Previews

White Background



This preview shows how the CIELCh color 83, 72.017, 87.276 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 83, 72.017, 87.276 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 83, 72.017, 87.276

Background



This preview shows how black text looks on a background with the CIELCh color 83, 72.017, 87.276.



This preview shows how white text looks on a background with the CIELCh color 83, 72.017, 87.276.

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

83, 72.017, 87.276

Protanopia

83, 71.031, 95.115

Deuteranopia

83, 61.323, 80.786



Tritanopia
83, 25.828, 5.143

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 72.017, 87.276 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(248, 201, 60)` looks like.

```
.text, #text, p{  
    color:rgb(248, 201, 60)  
}
```

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(248, 201, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 201, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 72.017, 87.276 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(248, 201, 60) }
```

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

```
.border{ border-color:rgb(248, 201, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 201, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 201, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 201, 60);  
box-shadow:4px 4px 4px 4px rgb(248, 201,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 72.017, 87.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 201, 60) }
```

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

```
.background{ background-color: rgb(248,  
201, 60) }
```

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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