

Converting Colors

CIELCh(87, 78.171, 90.586)

Have a look what the booklet for
CIELCh(87, 78.171, 90.586) contains.

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Color

CIELCh(87, 78.170, 90.754)

Conversions

Conversions Part 1

Format	Color
Hex	FFD735
RGB	255, 215, 53
RGB Percent	100%, 84%, 21%
CMY	0.0007, 0.1574, 0.7928
CMYK	0.00, 0.16, 0.79, 0.00
HSL	48°, 100%, 60%
HSV	48°, 79%, 100%
XYZ	66.0775, 70.0064, 13.3761
YIQ	208.4920, 75.8420, -41.9020

Conversions

Conversions Part 2

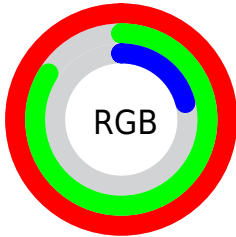
Format	Color
RYB	103, 255, 53
Decimal	16766773
CIELab	87.00, -1.03, 78.16
CIELCh	87, 78.170, 90.754
Yxy	70.0064, 0.4421, 0.4684
Android (android.graphics.Color)	4294956853 (0xFFFFD735)
YUV	208.4920, -76.6576, 40.7875
Hunter-Lab	83.6698, -5.4533, 49.0903

Details

The CIELCh color **87, 78.170, 90.754** 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 **47, 94.419, 297.248**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 68.734, 104.921**, and **67, 70.553, 90.375** is the 20% darker color. If you saturate the color by 10%, you get **86, 83.112, 89.365**, and if you desaturate by 10%, it is **88, 70.805, 92.068**.

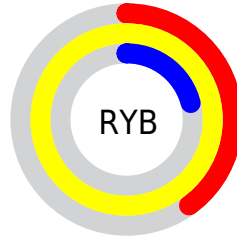
Distribution



Red (100%)

Green (84%)

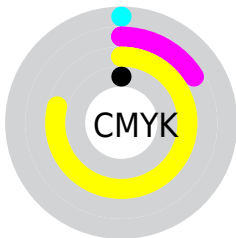
Blue (21%)



Red (40%)

Yellow (100%)

Blue (21%)

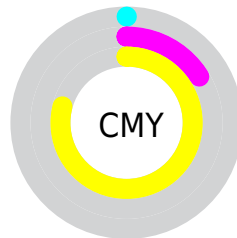


Cyan (0%)

Magenta (16%)

Yellow (79%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 78.170, 90.754 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 87, 78.170, 90.754 by changing the saturation by 10% instead.

 87, 78.170, 90.754

 87, 78.170, 90.754

 100, 78.170,
90.754

 77, 78.170, 90.754

 67, 78.170, 90.754

 57, 78.170, 90.754

 47, 78.170, 90.754

 37, 78.170, 90.754

 27, 78.170, 90.754

 17, 78.170, 90.754

 7, 78.170, 90.754

 0, 78.170, 90.754

87, 78.170, 90.754

87, 78.170, 90.754

86, 83.112, 89.365

88, 70.805, 92.068

84, 85.230, 87.830

90, 61.843, 93.344

84, 85.340, 87.716

91, 51.956, 94.604

93, 41.588, 95.852

95, 31.007, 97.082

96, 20.369, 98.286

98, 9.759, 99.453

100, 0.059,
210.665

Harmonies

Complementary

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



87, 78.170, 90.754



47, 94.419, 297.248

Rectangle

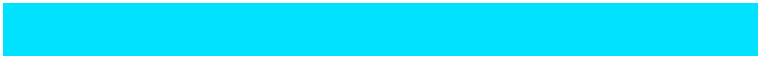
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 78.170, 90.754



87, 78.170, 140.754



87, 78.170, 270.754



87, 78.170, 320.754

Sweetspot

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



87, 78.169, 90.757



96, 25.415, 97.720



57, 79.750, 19.977



50, 17.472, 97.290



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 78.169, 90.757



85, 84.644, 88.502



93, 93.192, 118.540



52, 5.989, 99.426



65, 68.877, 88.015



22, 30.515, 90.055

Inverse Universe

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



47, 94.419, 297.248



39, 113.938, 301.794



43, 113.708, 308.076



49, 6.060, 281.694



27, 94.676, 302.570



6, 37.730, 297.672

Previews

White Background



This preview shows how the CIELCh color 87, 78.170, 90.754 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 87, 78.170, 90.754 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 87, 78.170, 90.754

Background



This preview shows how black text looks on a background with the CIELCh color 87, 78.170, 90.754.



This preview shows how white text looks on a background with the CIELCh color 87, 78.170, 90.754.

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

87, 78.170, 90.754

Protanopia

87, 77.955, 95.315

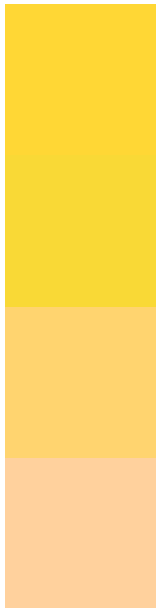
Deuteranopia

87, 39.522, 79.882



Tritanopia
87, 19.335, 3.742

Trichromacy



Original Color
87, 78.170, 90.754

Protanomaly
87, 77.752, 93.342

Deuteranomaly
87, 54.984, 86.300

Tritanomaly
87, 33.226, 73.660

Monochromacy



Original Color
87, 78.170, 90.754

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 30.855, 96.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 78.170, 90.754 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(255, 215, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 53)  
}
```

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(255, 215, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 78.170, 90.754 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(255, 215, 53) }
```

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

```
.border{ border-color:rgb(255, 215, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 78.170, 90.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 53) }
```

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

```
.background{ background-color: rgb(255,  
215, 53) }
```

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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