

Converting Colors

CIELCh(87, 71.512, 97.973)

Have a look what the booklet for
CIELCh(87, 71.512, 97.973) contains.

CIELCh(87, 71.475, 97.931)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 71.475, 97.931)

Conversions

Conversions Part 1

Format	Color
Hex	EEDC49
RGB	238, 220, 73
RGB Percent	93%, 86%, 29%
CMY	0.0657, 0.1364, 0.7128
CMYK	0.00, 0.08, 0.69, 0.07
HSL	53°, 83%, 61%
HSV	53°, 69%, 93%
XYZ	62.2025, 70.0064, 16.5776
YIQ	208.6240, 57.9150, -41.9010

Conversions

Conversions Part 2

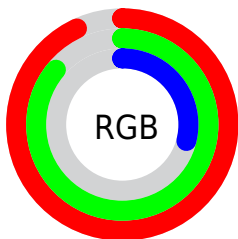
Format	Color
R _Y B	93, 238, 73
Decimal	15653961
CIE Lab	87.00, -9.86, 70.79
CIE LCh	87, 71.475, 97.931
Yxy	70.0064, 0.4181, 0.4705
Android (android.graphics.Color)	4293844041 (0xFFEEDC49)
YUV	208.6240, -66.8626, 25.7628
Hunter-Lab	83.6698, -13.7203, 46.8217

Details

The CIELCh color **87, 71.475, 97.931** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **46, 86.110, 298.058**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 61.770, 105.450**, and **67, 70.222, 97.986** is the 20% darker color. If you saturate the color by 10%, you get **86, 78.452, 96.977**, and if you desaturate by 10%, it is **88, 62.805, 98.950**.

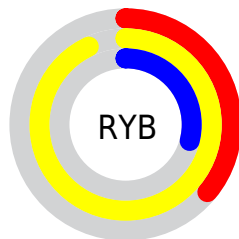
Distribution



Red (93%)

Green (86%)

Blue (29%)



Red (36%)

Yellow (93%)

Blue (29%)

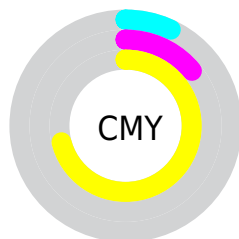


Cyan (0%)

Magenta (8%)

Yellow (69%)

Black (7%)



Cyan (7%)

Magenta (14%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 71.475, 97.931 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, 71.475, 97.931 by changing the saturation by 10% instead.

87, 71.475, 97.931

87, 71.475, 97.931

100, 71.475,
97.931

77, 71.475, 97.931

67, 71.475, 97.931

57, 71.475, 97.931

47, 71.475, 97.931

37, 71.475, 97.931

27, 71.475, 97.931

17, 71.475, 97.931

7, 71.475, 97.931

0, 71.475, 97.931

87, 71.475, 97.931

87, 71.475, 97.931

86, 78.452, 96.977

88, 62.805, 98.950

85, 83.059, 96.083

89, 53.059,
100.012

85, 85.087, 95.231

90, 42.682,
101.101

85, 85.198, 95.168

91, 31.961,
102.201

92, 21.074,
103.295

93, 10.126,
104.369

94, 0.820, 285.588

95, 7.224, 283.116

96, 6.087, 272.927

Harmonies

Complementary

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



87, 71.475, 97.931



46, 86.110, 298.058

Rectangle

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



87, 71.475, 97.931



87, 71.475, 147.931



87, 71.475, 277.931



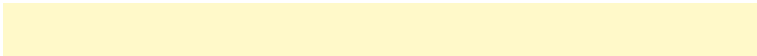
87, 71.475, 327.931

Sweetspot

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



87, 71.475, 97.934



97, 24.277, 103.097



56, 69.022, 22.236



52, 16.426, 102.794



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, 71.475, 97.934



91, 84.893, 96.609



87, 82.187, 121.919



50, 6.244, 104.345



67, 70.163, 95.306



21, 29.075, 96.860

Inverse Universe

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



46, 86.110, 298.058



41, 110.282, 301.706



47, 94.878, 309.373



46, 6.353, 286.433



23, 99.045, 304.778



4, 34.947, 296.756

Previews

White Background



This preview shows how the CIELCh color 87, 71.475, 97.931 looks on a white background.

Color Contrast Check

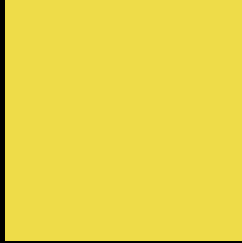
Large Text (above 18pt) WCAG AA × Fail

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, 71.475, 97.931 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, 71.475, 97.931

Background



This preview shows how black text looks on a background with the CIELCh color 87, 71.475, 97.931.



This preview shows how white text looks on a background with the CIELCh color 87, 71.475, 97.931.

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, 71.475, 97.931

Protanopia

87, 71.254, 95.121

Deuteranopia

87, 39.060, 79.611



Tritanopia
87, 18.426, 353.984

Trichromacy



Original Color
87, 71.475, 97.931

Protanomaly
87, 71.408, 96.187

Deuteranomaly
87, 50.983, 89.188

Tritanomaly
87, 26.565, 76.612

Monochromacy



Original Color
87, 71.475, 97.931

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 27.739, 102.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 71.475, 97.931 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(238, 220, 73)` looks like.

```
.text, #text, p{  
    color:rgb(238, 220, 73)  
}
```

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(238, 220, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 220, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 71.475, 97.931 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(238, 220, 73) }
```

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

```
.border{ border-color:rgb(238, 220, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 220, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 220, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 220, 73);  
box-shadow:4px 4px 4px 4px rgb(238, 220,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 71.475, 97.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 220, 73) }
```

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

```
.background{ background-color: rgb(238,  
220, 73) }
```

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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