

Converting Colors

CIELCh(87, 87.293, 96.539)

Have a look what the booklet for
CIELCh(87, 87.293, 96.539) contains.

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Color

CIELCh(87, 87.240, 96.558)

Conversions

Conversions Part 1

Format	Color
Hex	F2DC00
RGB	242, 220, 0
RGB Percent	95%, 86%, 0%
CMY	0.0513, 0.1375, 1.0000
CMYK	0.00, 0.09, 1.00, 0.05
HSL	55°, 100%, 47%
HSV	55°, 100%, 95%
XYZ	62.1589, 70.0064, 10.2284
YIQ	201.4980, 83.7320, -63.7560

Conversions

Conversions Part 2

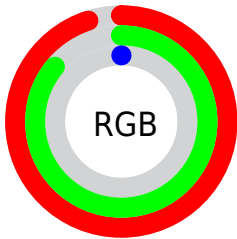
Format	Color
RYB	24, 242, 0
Decimal	15916032
CIELab	87.00, -9.96, 86.67
CIELCh	87, 87.240, 96.558
Yxy	70.0064, 0.4365, 0.4916
Android (android.graphics.Color)	4294106112 (0xFFFF2DC00)
YUV	201.4980, -99.3385, 35.5203
Hunter-Lab	83.6698, -13.8133, 51.3209

Details

The CIELCh color **87, 87.240, 96.558** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light saturated yellow. A complement of this color would be **32, 124.323, 305.355**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 78.259, 104.206**, and **67, 70.365, 96.867** is the 20% darker color. If you saturate the color by 10%, you get **87, 87.218, 96.561**, and if you desaturate by 10%, it is **88, 85.297, 97.283**.

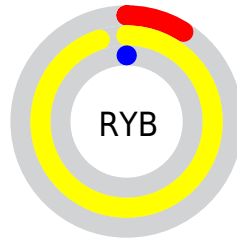
Distribution



Red (95%)

Green (86%)

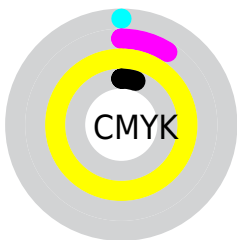
Blue (0%)



Red (9%)

Yellow (95%)

Blue (0%)

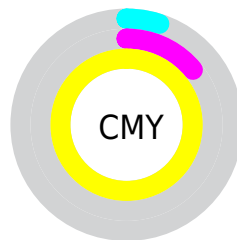


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (14%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 87.240, 96.558 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, 87.240, 96.558 by changing the saturation by 10% instead.

 87, 87.240, 96.558

 87, 87.240, 96.558

 100, 87.240,
96.558

 77, 87.240, 96.558

 67, 87.240, 96.558

 57, 87.240, 96.558

 47, 87.240, 96.558

 37, 87.240, 96.558

 27, 87.240, 96.558

 17, 87.240, 96.558

 7, 87.240, 96.558

 0, 87.240, 96.558

■ 87, 87.240, 96.558

■ 87, 87.240, 96.558

■ 87, 87.218, 96.561

■ 88, 85.297, 97.283

■ 88, 80.851, 98.074

■ 89, 73.943, 98.953

■ 90, 65.228, 99.911

■ 90, 55.339,
100.929

■ 91, 44.746,
101.985

■ 92, 33.756,
103.059

■ 93, 22.562,
104.133

■ 94, 11.283,
105.192

Harmonies

Complementary

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



87, 87.240, 96.558



32, 124.323, 305.355

Rectangle

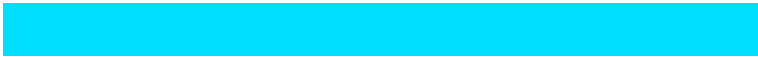
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 87.240, 96.558



87, 87.240, 146.558



87, 87.240, 276.558



87, 87.240, 326.558

Sweetspot

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



87, 87.218, 96.561



97, 35.228, 103.050



51, 96.137, 36.591



51, 23.986, 102.595



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, 87.218, 96.561



91, 90.753, 96.541



87, 101.649, 124.621



50, 6.363, 105.247



68, 70.994, 96.678



21, 29.536, 98.044

Inverse Universe

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



32, 124.323, 305.355



34, 129.558, 305.393



36, 122.704, 309.687



46, 6.480, 287.302



23, 100.203, 305.107



4, 35.423, 297.112

Previews

White Background



This preview shows how the CIELCh color 87, 87.240, 96.558 looks on a white background.

Color Contrast Check

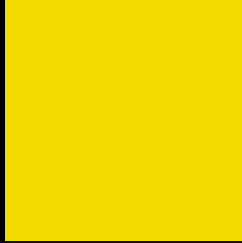
Large Text (above 18pt) WCAG AA × Fail

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, 87.240, 96.558 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, 87.240, 96.558

Background



This preview shows how black text looks on a background with the CIELCh color 87, 87.240, 96.558.

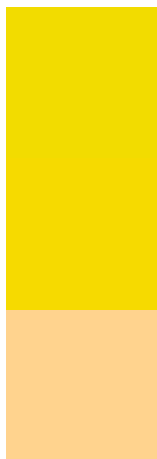


This preview shows how white text looks on a background with the CIELCh color 87, 87.240, 96.558.

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, 87.240, 96.558

Protanopia

87, 87.019, 94.788

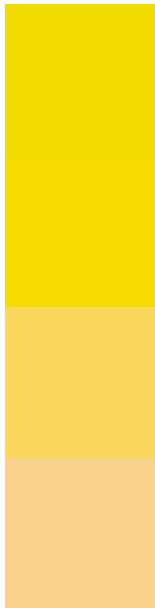
Deuteranopia

87, 40.448, 80.402



Tritanopia
87, 20.470, 357.054

Trichromacy



Original Color
87, 87.240, 96.558

Protanomaly
87, 87.179, 95.390

Deuteranomaly
87, 63.985, 90.832

Tritanomaly
86, 40.176, 82.722

Monochromacy



Original Color
87, 87.240, 96.558

Achromatopsia
81, 0.010, 296.813

Achromatomaly
83, 41.554, 101.933

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 87.240, 96.558 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(242, 220, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 220, 0)  
}
```

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(242, 220, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 220, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 87.240, 96.558 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(242, 220, 0) }
```

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

```
.border{ border-color:rgb(242, 220, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 220, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 220, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 220, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 220,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 87.240, 96.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 220, 0) }
```

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

```
.background{ background-color: rgb(242,  
220, 0) }
```

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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